# The 50 MH3 DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

# **Toast Radio**

(A recent entry in a TM Tall Tales Contest)

Little could we have guessed, as we inducted Mary Lou into Wouff Hong Toastmasters, that she would single-handedly be responsible for the changes to Amateur Radio and Toastmasters which I shall here relate.

What can I say about Mary Lou that hasn't already been said in other clubs throughout the USA? She rose rapidly through the radio amateur ranks, from a nine-year old Novice to Amateur Extra Class in two short years.

Did I tell you that Mary Lou was competitive? By age 15 she had placed first in her ARRL section in a Novice Roundup, and first in her division in the ARRL Sweepstakes. By age 17 she had gained a place on the DXCC Honor Roll, having contacted radio amateurs in 324 countries and having received confirmation "QSL" cards for all but Minerva Reef.

She joined Toastmasters three weeks after her 18th birthday and earned her Competent Toastmaster (CTM) in three months, her Advanced Toastmaster (ATM) in the next three, and rounded out her first year with the Distinguished Toastmaster (DTM).

Alas, she was fast running out of worlds to conquer! Then she spied a note in *The Toastmaster* offering rewards to Toastmaster recruiters, Gold Star pins to those sponsoring 10 new members and Ascot Scarfs to those sponsoring 15. Mary Lou contacted Toastmasters International (TI) World Head-quarters to get a copy of *From Prospect To Guest To Member*. Upon receiving it, she decided to bring in to Toastmasters not 10, not 15, not 150, but 150,000 new members, almost doubling its size.

(For those of you not swift with the math, this equates to 10,000 Ascot Scarfs.) Now, she couldn't get them all directly from TI—nor, for that matter—sign 150,000 Toastmaster Application forms herself before June 30, so she devised a multi-level group marketing scheme wherein she would recruit 15 new members who would each recruit 15, and so forth. It would only take five generations to top 750,000.

But what 750,000? I mean, you don't want to let riff-raff into Toastmasters! Her intended targets were the three quarter million radio amateurs in the USA. You see, they, or at least the ones using voice instead of Morse Code or digital emissions were the ones most in need of Toastmaster help.

Rotten operating practices had developed gradually on the radio amateur bands, like a cancer. Nowhere were these rotten operating practices more evident than on the phone bands, which were beginning to sound like the Citizen's Band. One of the worst failings of both groups was having nothing of consequence to say, and taking forever to say it.

She laid the blame—perhaps unfairly—mostly on the newcomers, the no-code Technicians who were clambering for more operating privileges without passing a Morse code exam.

Just last month Mary Lou convinced the ARRL, the FCC, and TI that radio amateurs desiring to transmit voice should demonstrate some proficiency in that mode of operation. Namely, that one should learn to think before putting one's mouth in gear.

It was rumored that TI's acceptance came after the Better Amateur Radio Foundation gave TI's president an amateur band receiver and he tuned the 20 and 75 meter phone bands.

The die has now been cast. RM-7388, which goes into effect next year specifies that:

"In addition to the regular written exam covering laws and electronics fundamentals, an applicant desiring phone privileges will be required to obtain a Toastmaster's award, CTM for the basic privileges, and higher awards for additional privileges.

Toastmaster Ah Counters will take the place of ARRL Official Observers, extracting a fine of one cent per infraction. In addition to the usual ummms, and ahs, infractions common on the amateur bands include the use on voice of jargon such as Morse code abbreviations, Q signals, and 10-codes.

Special penalties will be extracted from those observed monopolizing the six and two meter calling frequencies."

TI's president, when informed of the eminent introduction of 150,000 U.S. radio amateurs into Toastmasters had the following to say!

"10-4 good buddy! But no LIDS, no KIDS, and no Space Cadets!"

### 1997-8 6m DX Marathon Results

This, the first of our Dec-Jan DX Marathons, was the first in which the number of contact points advanced every 1100 km in range. As a result, no one went to the trouble of calculating their score—and so I wrote a computer program to do the scoring. (It calculated the distance between centers of grid squares, assigned points and kept track of grid fields.)

CALL	GRID	OSO PTS	MULTIPLIER	FINAL SCORE
PY5CC	GG54	341	15	5130
KC6IPF	CN80	59	10	600
C6AGN	FL16	56	8	456
XE2HWB	DL44	2	7	21

### Jan-March 98 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of SM7AED's Six-metre Info. JA1VOK's column *V,UHF DX Topics* in MOBIL HAM, JR3HED, G4UPS, VE7SKA, SM7FJE, LW5EJU, HP3XUG, XE2HWB, and W0MTK, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is mmddhhii, where mm is the month, dd is the day of the month, hh is the hour UTC, and ii is the minutes after the hour. The year is understood to be 1998 for months less than 04 and 1997 for any starting with 12. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, T=Television, W=mode not mentioned, H=heard only.

# Reports of Africa

ASCEN	NSION	IS.		
03092306	ZD8VHF	529 >	IM67XI	B EH7KW
03101920	ZD8VHF	VY WEAK	> IM67XI	B EH7KW

CHAD 03080000 TT8JE CLG CQ > IM61 50.110 H EH7KW

MALAWI 03101946-707RM KH74 > IM67XI W RH7KW

NAMIBIA 50.017 B EA3ADW B EH7KW E EH7KW 03031500 V51VHF 599+ 0307???? V51VHF >: 031019XX V51VHF > IM61XI IM67XI

SOUTH AFRICA 02281041 52251X KP25 -1055 02281124 \$6251X KP25 -1128 02281131 \$557?? 556 olg CQ 03077??? 256PJS > IM61XI 03121738 \$5 > IM61 50.005 B ER1EV 50.005 B ER1EV 50.200 H ER1EV

ZIMBABWE > TM67XT RHTRW

# Reports of Asia

KONG					
VR2XMQ			50.110	8	JR6VSP
VR2XVG			50.110	S	JR6VSP
VR2 EXY			50.110	H	JR6VSP
VR98LC			50.110	8	JR6VSP
VR2SA	>	PL36	50.110	S	JR6VSP
VR2IL	>	PL36	50.110	S	JR6VSP
VR28LL	>	PL36	50.110	S	JR6VSP
VR2SA	>	PL36	50.110	C	JR6VSP
	VR2XMQ VR2XVG VR2EXY VR98LC VR2SA VR2IL VR2ELL	VR2XMQ VR2XVG VR2XXY VR98LC VR2SA > VR2IL > VR28LL >	VR2XMQ VR2XVG VR2XXY VR98LC VR2SA > PL36 VR2IL > PL36 VR2EL > PL36	VR2XMQ 50.110 VR2XVG 50.110 VR2EXY 50.110 VR98LC 50.110 VR2EA > PL36 50.110 VR2IL > PL36 50.110 VR2EL > PL36 50.110	VR2XMQ 50.110 8 VR2XVG 50.110 8 VR2EXY 50.110 8 VR9BLC 50.110 8 VR2EA > PL36 50.110 8 VR2IL > PL36 50.110 8 VR2IL > PL36 50.110 8

**JAPAN** 01040518 JAS 50.110 S JD1B1Y 03232200 JS6CDB CLG CQ -2330 50.110 H EP6CW 03251050 JA QRH -1106 50.110 H VK3SIX

KOREA,S. 50.110 S JA1 50.110 S JA1 50. S JIIWMI

MALAYSIA, WEST

02210825	9M2 ch2		48.250	V	JA5CH
02211310			53.750	F	JA5CH
02280430			48.250		
02280444	9M2TO 250de	g* -0459	50.110		JAIVO
02280455		,	50.110		
02280505		>PM75	50.117		
02280510			50.117		
02280512	9M2TO & 061		50.117		
02280512	9M2TO	•	50.117		
02280530			50.117		
02280535	9M2TO		50.117		
02280539	9M2TO		50.118		JE2DW1
02280610	9M2TO		50.117		JAGRJI
03080400	9M2 ch2		48.250		
03080425	9M2TO		50.117		JAGTEV
03080439	9M2TO		50.117		JH6VXI
03080440	9M2KT 9M2TO		50.110		
			50.117		JR2HCE
03091155	9M2 ch2 89+	0710	53.75		JA5CMC
03140533		2 GM 0240			JAIVO
03140545	9M2TO		50.117		JASTEV
03140548	9M2TO		50.117		JE2DW1
03140651	9M2TO		50.117		JA3JTG
03150509	9M2TO	Scatter	50.117		JA9BH2
03201417	9M2NK		50.110		7J6CCL
03201418	9M2NK ssb €	1440	50.110		JR6VSE
03201420	9M2NK		50.110	C	JR6HI
03201420	9M2NK	>PL05	50.110		BV2SR
03201422	9M2NK	>PL36	50.110		JR6RAM
03201426	9M2NK		50.110		JR60WW
03201442	9M2NK	>OL72	50.110	C	VR98LC
03211424	9M2NK		50.110		JA6QGG
03220500	9M2 ch2 89+		53.75		JA1VOR
03221431	9M2NK ssb €		50.110		JR6VSP
03221441	9M2NK	>OL72	50.110	S	VR2XMT
03231252	9M2NK		50.108	S	7J6CCU
03231423	9502 25		50.108	C	
03231441	9M2NK		50.110	S	VR2XMT
03231512	9M2NK		50.110	H	JA6QGG
03251409	9M2KT	> OL72	50.120	S	VR2IL
03251409	9M2KT	> OL72	50.120	8	VR2LC
03251423	9M2KT CW €	1451	50.110	S	JR6VSP
03251443	9M2NK	> PL36	50.107	C	JR6VSP
03251457	9M2KT ssb €	1504	50.110	C	7J6CCU
03251508	9M2KT	> PL36	51.000	F	7J6CCU
	9M2NK	> PL36	50.106	C	7J6CCU
03261311	9M2KT ssb €	1318	50.110	C	JR6VSP
03261550	9M2NK	> PL36	50.110	C	7J6CCU
0 48	TO		1		

Spratley Is. (Layang Layang)
02130520 9M0C 50.10
02140420 9M0C 50.10 50.102 C JR2HCB 50.102 C JI1CPM 50.102 C JH0BQX 50.102 C JR2ULS 50.102 C JR2HCB 50.102 C JR2HCB 02140424 9MOC & 0607 02140430 9MOC 02140430 9MOC 02140545 9MOC 02150715 9MOC 02150715 9MOC 02190450 9MOC 08b @ 0525 02190450 9MOC 08b @ 0527,0745 02190509 9MOC 0W @ 0739 02190630 9MOC 0W @ 0739 02190633 9MOC 02200745 9MOC 02200745 9MOC 02200833 9MOC 9MOC 02200850 9MOC 02200850 9MOC 50.102 C JR2HCB 50.102 C JR2HCB 50.102 C JR2ULS 50.102 C JR2HCB 50.102 C JR2HCB 50.102 C JE2XBY 50.102 C JH2WB 50.102 S JH2WB 50.102 C JH4EHF 50.102 C JH4EHF 50.102 C JH4EHF
50.102 B JR2HCB
50.102 C JH6VXP
50.102 C JH6VXP
50.102 C JE2KDN
50.102 C JR2HCB
50.102 C JAGGNK
50.102 C JR0QFA
50.102 C JR0QFA
50.102 C JR0QFA
50.102 C JR2EQS 02210500 9MOC 02210620 9M0C 02210813 9M0C 02210821 9M0C 02210828 9M0C wkd 0929 SSB 02210835 9M0C 02210840 9M0C 02210840 9M0C >PM53 02210901 9M0C 02210907 9MOC 02210907 9M0C 02210915 9M0C 02220434 9M0C 02220440 9M0C

**TAIWAN** 01021030 BV2SB

02220450 9HOC -0515

CZECH PEPURI IC

50.110 S JR2HCB

50.102 C JR2SQE 50.102 C JA1/2/3

# Reports of Europe

CLECI		UDL	IC			
03262000	OKORG	FA	I	144	B	EASADW
DENM	ARK					
02010930		TA CO	-094	4	13	G4UPS
02011150						G4UPS
02280846				1203	-	
						G4 UPS
03101838-	OE AU	) > 10	91		W	G4RGK
CEDM	ABISZ					
GERM	ANY					
03262000	DF 6AAB	FA	I	144	B	RASADW
GREE	CIE					
03161340					B	ERIEV
03161422	SVISIX	552 KM	17ux >	JF96	B	SRIEV
TTTTTT	LABITA					
LITHU	ANIA					
03101838-	LY2SA	AU > I	091	144	H	G4RGK

**NORWAY** 02161752 LA4LW JP50 > J065 AU 02172300 LA - TV AURORAL 03101838-LA AU > I091 V GAUPS W GARGE

SCOTLAND				
02161745 GM3WOJ	> J065	AU		SM7FJE
02161818 GM4OBD	> J065	AU		SM7FJE
02172345 GH -0100	AURORA		W	G3HBR
03101838-GM AU	> 1091		W	GARGE

**SWEDEN** 

# Reports of N. America

02161735 SM4MWJ JP70 > J065 AU 02161820 SM6FTA J058 > J065 AU

This month's TV DX reports via ionospheric modes were submitted by VE7SKA; WA5IYX; Danny Oglethorpe, Shreveport, LA; and Jeff Kruszka, Baton Rouge, LA.

NORTH AMERICA (Caribbean)
03262335 S51ag/nn 59 BK28>BM21 .125 S WA5JCI

**BAHAMAS** W WP40

CANADA, Eastern CANVAD/A, CASCEL H

02112212 unid 2 0 m CTV

03102200 VE FM99 > FM14 AU 144

03102330+VE22EL FM48 > EM92 AU 144

03102334 VE9XX 55A PM77>FM13 AU 144

03110004-VE3IEY FM14 > EM51 AU 144

03110011-VE3FGU FM04 > EM51 AU 144

W WA9JML T OGLETHO

CANADA, Western

02181530 Ve66MU, Ve7 > CM88 B K6QXY
03110000 VE66MU 51A D033>D021 B VE6KT
03150320 VE66MU S5-7 AU> D031 50.040 B VE6KT
03160520 VE66MU D033 > D021 B VE6KT
03241705 VE7 50.135 H KB2SGX
03270030 VE6EMU D033 > D021 AUR WEAK B VE6KT

COSTA RICA TE50.0585 B LW5EJU F2 B LW5EJU TE50.0785 B LW5EJU 02230130 TI2NA 03182113 TI2NA B LU4HO 03192250 TI (EB) -0230 > EK35, EK25 W WILP/HM

DOMINICAN REPUBLIC 02240043 HI8HGS 58 RAFAEL TE 50.110 02250013 HI8HGS 57 RAFAEL TE 50.110 LWSEJU

**MEXICO** 2,4 XEW,XHGC-5 T OGLETHO 4 JAL 1003 T OGLETHO 2,4,5 MEXICO T OGLETHO 2 VER 950 T OGLETHO 2,4,5 MEXICO & US T OGLETHO 02130150 unIDs 02142230 XHG 02142302 unIDs 02142302 XHFM 2 XEW T OGLETHO
2 XEW T OGLETHO
2 AGU XEQ 896 T OGLETHO
2 XEW T ASTRCA T OGLETHO
2 XEW T OGLETHO
2 XEW T OGLETHO 02142302 XHFM 02181731 unIDs 02240220 unID 02240220 XHAGU 02280050 unIDs 030303035 unID 03032345 unID 03032345 XEWt 03040005 XHTV 03080029 unIDs XEW OGLETHO 958 T OGLETHO T OGLETHO 03040005 XHTV 4 DF 03080029 uniDs 2 MEXICO & US

**GRENADA** 02230130 J3BOC 02240007 J3BOC 03182113 J3BOC TE50.0565 B LW5EJU TE B LW5EJU B LU4HO

PUERTO RICO

02172345 KP4PR 57 JOSE
02172353 WP40 59 EDWIN TE 50.110

02172356 WP40 59 EDWIN TE 50.110

02180037 WP4MSL 59 JOSE TE 50.130

02180037 WP4MSL 51 JOSE TE 50.130

02180057 KP4EIT 51 PAPO TE 50.130

02192345 WP40 52 EDWIN TE 50.120

02200014 WP4EIT 57 PAPO TE 50.120

02200017 WP4MEK 57 ALEXIS TE 50.120

02210042 KP4UK 59 MARCOS F2 50.110

02240020 KP4EIT 51 PAPO TE 50.120

02212046 KP4EIT 51 PAPO TE 50.120

02212046 KP4EIT 51 PAPO TE 50.120

02240020 KP4EIT 51 PAPO TE 50.110

02240020 KP4EIT 59 PAPO TE 50.110

02240020 KP4EIT 53 PAPO TE 50.110

02240020 KP4EIT 57 JOSE TE 50.110

02303040 WP4O TE TE 50.110

103032145+WP4O TE 144.150 PUERTO RICO LW5EJU LW5EJU LW5EJU LW5EJU LWSEJU LW5EJU LW5EJU LW5EJU LWSEJU LW5EJU LW5EJU LWSEJU TE 50.110 LW5EJU TE 50.110 LW5EJU 50.110 W C6AIE

ST KITTS & NEVIS IS. B LWSEJU

United States, W1,2,3

02112315 KDRA 2 PA 945 T OGLETHO
03030130 W1 FN55 > FN14 AU 144.200 C VE3IEY
03102327 N3AJX EN60 > EN94 AU 144.2 W NOUK
03110030-N3AJX EN60 > EN92 AU 144 W WA3LTB

144.150 H LU

WY S. E.C WYZA				
United States, W4	03070258 VK2 ch0	46.24 V JA1VOK	02220427 VK4WTH	50.110 S JA3
03012015+K4SC W WP40	03150020 VK2 ch0	46.24 V JA1VOK	0222042/ VK4WTM	50.110 S JATWSE 50.140 S TH2SMW
03012018~W4AER W WP40	03220625 VK2 ch0	46.24 V JA1VOK	02220431 VK4KGP	50.130 S JIICPS
03012025~WA4LOX W WP40 03022240+W4/WA2LXG.KC4SUS.W4EMB W WP40	03230510 VK2QF	50.110 S JH1WHS	02220431 VK4WTM	50.160 H JE2DWZ
03022245+KF4OUH, WB4JEM/M, WOVHF W WP4O	A 4 12 - \$72 -4 2 - \$7172	The Report of the	02220432 VK4GPS	50.150 H JE2DWE
03022350+KF4SBC, W4CHA/M, KB4QAI, KT4TD W WP40	Australia-victoria-vi	50 110 G TATERO	02220432 VK4WTM	50.160 S JIICPM
03031730+W4 TN < 1830 W W00AL/0	01030302 VK3AMK 02130438 VK3XO	50.110 C JA7KHQ 50.130 S JH4RHF	02220433 VK4GPS	50.150 S JI1CPM
03090000 WPBT 2 FL Miami BL95VX T WA5IYX	02130444 VK3AMK	50.115 S JH4EHF	02220433 VK4JSR	50.110 S JIIWMI
03111830 W4 FM16 > BM21 50.125 WA5JCI	02140538 VK3BRZ	50.110 S JR2ULS	02220434 VK4/VK2FE	50.096 C JA3
TI '4 1 C4 -4 XV/F	02240508 VK3	50.130 S JR20LS	02220434 VK4BLK	QG56 50.120 S JI1CPW
United States, W5	02270446 VK3AMK	50.110 C JR2HCB	02220434 VK4WTM	50.160 S JH1WHS
02120140 W3AD EL29 & 0133 > DL44 S XE2HWB	03230423 VK3AMK	50.103 C JH1WHS	02220435 VK4GP8	50.151 8 JA0/1/2/3
02120201 W508I EM00 > DL44 S XE2HWB	03230430 VK3SIX	50.125 S JHOHMR	02220436 VK4IC	50.130 S JA7WSZ
02181530-W5 HM, TX > CM88 H K6QXY	03230440 VK3SIX	50.125 S JE1TGH	02220438 VK4JSR	50.140 S JIICPN
03050322 W5 NM DM64 & 65 170° VE7SKA			02220441 VK4JSR	50.140 H JE2DWZ
03070148 W5 BL09 AUSTIN TX H WOMTK	Australia-Queensland-	VK4	02220442 VK4JSR	50.140 S JA1/2/3
03111742 KPRC 2 TX Houston > NJ T SHAFTAN	01090403 VK4GPS	50. C JA4	02220444 VK41C	50.130 B J11CPN 50.095 H JASCMO
TI 14 1 C4 4 TT/C	01090405 VK4AFL	50.190 S JA4	02220445 VK4DMI	50.170 S JA1/2/3
United States, Wo	01090426 VK4DO QG4	9 50.119 S JA4	02220445 VK4GPS	50.150 H JA5CMO
02120148 KB6VFC DM13 > DL44 S XE2HWB	01090430 VK4/VK3LK	50.110 S JA4	02220445 VK4IC	50.130 S JH1WHS
02120222 KE6FCT DM04 > DL44 S XE2HWB	01090440 VK4WTN 02130523 VK4/VK2FE	50.120 S JA4	02220445 VK4PU	50.182 S JH2SMW
02181727 KCBS 2 CA 1420 T OGLETHO	02140530 VK4DO QG4	9 50.110 S JR2ULS	02220446 VK4IC	50.130 S JA1/2/3
03050325 W6 8.CA DM04,13,14 190 VE/SKA	02140545 VK4BC	50.150 C JR2HCB	02220447 VK4DMI	50.170 S JIICPN
United States W7	02140555 VK4DO QG4	9 50.110 S JASGJN/4	02220449 VK4PU	50.183 S JIICPW
02110003 KNAK 2 AK 1045 T OGLETHO	02170430 VK4APG	50.180 S JE2KDM	02220452 VK4LR	50.110 H JE2DWZ
02120141 W7/KC8CC DM43 > DL44 S XE2HWB	02170430 VK4ARN	50.125 S JR2HCB	02220436 VK4LR	50.120 S JA7WSZ
02120218 W7/KOFF DM26 > DL44 S XE2HWB	02170430 VK4GPS	50.140 S JE2KDN	02220500 VK4JSR	50.140 S JR2SOZ
02120219 W//AA0HA DM43 > DL44 S X82HWB	02170433 VK45KM	50.110 S JE2XBY	02220500 VK4PU	50.182 H JASCHO
02181705 KNAE 2 AE 1045 T OGLETHO	02170435 VK4GP8	50.150 S JE2XBY	02220500 VK4YPM	50.165 S JA7WSZ
03040322 W7/WI6E 59 CN84>DM59 50.173 S WOMTK	02170440 VK4FN 02170440 VK4TZI	50.110 S JR2HCB	02220501 VK4KMA	50.175 8 JB2DWE
03050425 K7ICW DM26 175 50.099 C VE7SKA	02170442 VK4APG >PM96	50.180 S JH1WHS	02220501 VK4YPM	50.165 S JI1CPM
50.130 5 VA/SAA	02170448 VK4BKM	50.160 8 JH1WHS	02220502 VK4ABP	50.199 8 JA7WSE
United States, W8	02170453 VK4GPS 02170459 VK4GPS	50.150 S JH1WHS	02220504 VK4KMA	50.175 8 JR2SQZ
02112210 WJBK 2 MI 904 T OGLETHO	02170500 VK4KK	50.170 8 JH1WHS	02220505 VK4ABP	50.205 S JH1WHS
02112248 WDIV 4 MI 904 T OGLETHO	02170500 VK4PU	50.125 8 JE4JFP	02220505 VK4YPM	50.165 H JA5CMO 50.165 S TR24CR
02112256 WDT# 2 OH 735 T OGLETHO	02170505 VK4HO 02170505 VK4PU	50.135 S JH1WHS 50.125 S JR2KDW	02220508 VK4KMA	50.175 8 JIICP#
03030130 W8 EN82 > FN14 AU 144.200 C VESIEY	02170515 VK4/VK2FE	50.096 C JE4JFP	02220509 VK4DO	QG49 50.135 8 JR2HCB
03031730+W8 OH < 1830 W W6OAL/0	02170516 VK4/VK2FS	50.096 C JE2KDN	02220509 VK4JSR	50.140 S JR2HCB
03102234 WD8OST 56A EN76>EN82 50.125 S W8WNX	02170520 VK4DEV 02170530 VK4APG	50.116 B JEZKDB	02220510 VK4GPS	50.150 S JR2HCB
03102300 W8 EN71 > FN14 AU 144 VE3IEY	02170530 VK4GPS	50.140 8 JE2KDM	02220510 VK4KR	50.200 S JA7WSE
03102303 K8TQK 41A EM89>EN82 50.135 S W8WNX	02180400 VK4 ch0	46.172 V JA5CHO	02220511 VK4DO	QG49 50.135 8 JN4CIW
03102315 N8NYE 41A EN91>EN82 50.125 8 W8WNX	02190325 VK4 Ch0	50 058 B JIIWMI	02220513 VK4BRG/B	50.077 B JR2HCB
03102334 W8HOM 53A EN71>FN13 AU 144 K2SPO	02200409 VK4BRG/B	50.077 B JI1WMI	02220513 VK4YPM	50.165 S JH1WHS
03102357 W8/WV1R 59A BM82 50.170 S W8WNX	02200416 VK4APG	50.110 S JI1WMI	02220514 VK4PU	50.183 S JR2SQE 50.145 S JR2SQE
03110000-W8HOM EN71 > EN92 AU 144 W WA3LTB	02200418 VK4APG 02200419 VK4/VK2PR	50.110 S JR2HCB	02220515 VK4BRG/B	50.077 B JA7WSE
VSIIVUIO-REGECH BMS/ > BMSI NO IVV W WASONA	02200419 VK4APG >PM95	50.180 S JEITGM	02220515 VK4DO	50.135 H JA5CMO
United States, W9	02200420 VK4GPS	50.140 S JI1WMI	02220515 VK4DO	50.135 H JE2DWS
03031730+W9 IN < 1830 W W6OAL/0	02200421 VK4GPS	50.140 S JR2HCB	02220515 VK4PU	50.183 H JE2DWS
03031830 W9 IN > DM79 H NOVSB	02200426 VK4BRG/B	50.077 B JE2XBY	02220516 VK4KMA	50.175 S JH1WHS
03080058 WISC 3 WI Madison T WASIYX	02200426 VK4RGG/B	50.058 B JR2HCB	02220516 VK4YO	50.140 S JH2SMW
03102302 K9FYE 53A EN45>EN82 50.135 S W8WNX	02200428 VK4BLK	50.120 S JEITGE 50.077 B JASTMP	02220517 VK4YPM	50.165 H JE2DWE
03102333 W90JI EN52 > EN34 AU 144.2 W NOUK	02200431 VK4APG	50.180 S JE2XBY	02220518 VK4BKM	30.170 S JA7WSE
03102340 WA9JML BN51 > BN34 AU 144.2 W NOUK 03102347 W9.TM 54A RN54>RNS2 50.145 S WRWNY	02200431 VK4BLK	50.120 S JI1WMI	02220518 VK4DB	50.095 C JA/WSE 50.130 S JR2HCB
03102350-WB9WHQ EN45 > BN51 AU 144 W WA9JML	02200433 VK4CEU 02200437 VK4GPS	50.100 C JRZHCB	02220519 VK4DO	QG49 50.135 S JA7KHQ
	02200437 VK4GPS	50 140 S THIRDS	02220520 VK4KK	50.120 S JR2SOR
United States, W0	02200428 TWARTS	30.TAO D DELEDE	00000601 177400	#A 143 D TRANSE
	02200430 VR4BLR	50.120 S JH1WHS	02220521 VK4DB	50.143 H JE2DWE 50.143 S JR2HCR
02111730 KDLTt 5 SD Menard's Ad T KRUSZKA	02200438 VR4GPS 02200441 VK4DUG	50.120 S JH1WHS 50.140 S JL3IVM 50.130 S J11WMI	02220521 VK4DB 02220522 VK4DB 02220524 VK4BKM	50.143 H JE2DWE 50.143 S JR2HCB 50.170 S JR2HCB
02111730 KDLTt 5 SD Menard's Ad T KRUSZKA 02120221 N0IPL DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO	02200438 VR4GPS 02200441 VR4DUG 02200445 VK4BLK QG5	50.120 S JHIWHS 50.140 S JL3IVM 50.130 S JIIWMI 6 50.119 S JH2SMW	02220521 VK4DB 02220522 VK4DB 02220524 VK4BKM 02220525 VK4DB	50.143 H JE2DWE 50.143 S JR2HCB 50.170 S JR2HCB 50.143 H JA5CMO
02111730 KDLTt 5 SD Menard's Ad T KRUSEKA 02120221 NOIPL DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO 03080059 KGAN 2 IA Cedar Rapids T WA5IYX	02200438 VK4GPS 02200441 VK4DUG 02200445 VK4BLK QG5 02200445 VK4BLK QG5	50.120 S JH1WHS 50.140 S JL3IVM 50.130 S J11WMI 6 50.119 S JH2SMW 6 50.120 S JR2HCB	02220521 VK4DB 02220522 VK4DB 02220524 VK4BKM 02220525 VK4DB 02220528 VK4BKM 02220528 VK4DB	50.143 H JE2DWE 50.143 S JR2HCB 50.170 S JR2HCB 50.143 H JA5CMO 50.143 H JA5CMO 50.143 S JA7KHO
02111730 KDLTt 5 SD Menard's Ad T KRUSEKA 02120221 NOIPL DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO 03080129 KGAN 2 IA Cedar Rapids T WA5IYX 03080129 KDUHt 4 NE T OGLETHO	02200438 VRAGPS 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRAGPS 02200455 VRAGPS 02200454 VRAGPS	50.120 S JHIWHS 50.140 S JL3TVM 50.130 S JIIWMI 6 50.119 S JH2SMW 6 50.120 S JR2HCB 50.140 S JH2SMW 50.110 S JR2HCB	02220521 VX4DB 02220522 VX4DB 02220524 VX4BKM 02220525 VX4DB 02220525 VX4DB 02220528 VX4DB 02220528 VX4DB	50.143 H JE2DWE 50.143 S JR2BCB 50.170 S JR2BCB 50.143 H JA5CMO 50.170 S JH1WHS 50.143 S JA7KHQ 50.143 S JA7KHQ
02110730 KDLTt 5 SD Menard's Ad T KRUSEKA 0212021 N0IPI DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T GGLETHO 03080059 KGAN 2 IA Cedar Rapids T WA5IYX 03080129 KDHt 4 NE 03080129 KNOP 2 NE 03102009 WO/WTXU 57A EN13>E882 .150 S WSWEX	02200438 VRAGPS 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRAGPS 02200454 VRAGPS 02200455 VRAGPS	50.120 S JHIWHS 50.140 S JLIVMI 50.130 S JIIWMI 6 50.119 S JH2SMW 6 50.120 S JR2HCB 50.140 S JR2SMW 50.110 S JR2HCB 50.180 S JR3SMW	02220521 VX4DB 02220522 VX4DB 02220525 VX4DB 02220525 VX4DB 02220528 VX4DB 02220528 VX4DB 02220530 VX4DB 02220530 VX4DB	50.143 H JE2DWE 50.143 S JR2HCB 50.170 S JR2HCB 50.143 H JA5CMO 50.170 S JH1WHS 50.143 S JA7KHQ 50.143 S JIICPW 50.170 H JA5CMO
02110730 KDLTL 5 SD Menard's Ad T KRUSEKA 02120221 NOIPL DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T GLBTHO 03080059 KGAN 2 IA Cedar Rapids T WA51YX 03080129 KDHL 4 NE T GGLETHO 03080129 KPOP 2 NE 03102009 WO/WTXU 57A EN13>EN82 1.50 S WSWKX 03102240 NOAKC 54A EN44>EN82 50.125 S WSWKX	02200438 VRABER 02200441 VRADUG 02200445 VRABER 02200445 VRABER 02200450 VRABES 02200450 VRABE 02200500 VRABE/B 02200500 VRABE/B 02200500 VRABE/B	50.120 S JHINHS 50.140 S JLIVMI 50.130 S JIIWMI 6 50.119 S JH2SMW 50.120 S JR2HCB 50.140 S JH2SMW 50.110 S JR2HCB 50.120 S JR2HCB 6 52.354 B JR2KDW 6 52.354 B JR2KDW	02220521 VK4DB 02220522 VK4DB 02220524 VK4DKM 02220525 VK4DB 02220528 VK4DB 02220528 VK4DB 02220529 VK4DB 02220529 VK4DB 02220530 VK4BKM 02220530 VK4BKM 02220531 VK4BKM	50.143 H JE2DWE 50.143 S JEZHCB 50.170 S JR2HCB 50.143 H JASCMO 50.170 S JH1WHS 50.143 B JH1WHS 50.143 B JH1CPE 50.170 B JH1CPE 50.170 S JE4JPP 50.170 S JE4JPP 50.170 S JE4JPP
02110730 RDLTL 5 SD Menard's Ad T KRUSEKA 02120221 NOIPL DM73 > DL44 S XE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO 03080159 KGNN 2 IA Cedar Rapids T WA51YX 03080129 KNOP 2 NE T17 T OGLETHO 03102209 WO/W7XU 57A EN13>EN82 .150 S WSWBX 03102240 NOAKC 54A EN44>EN82 50.125 S WSWBX 03102302 WO/W7XU EN13> EN34 AU 144.2 W NOUK 03102302 WO/W7XU EN13> EN34 AU 144.2 W NOUK	02200438 VRADRS 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRABLK QG5 02200450 VRABPS 02200454 VRAPL 02200455 VRABPS 02200505 VRABPS 02200500 VRABPS 02200500 VRABLK 02200500 VRABLK	50.120 S JHINHS 50.140 S JL3IVM 50.130 S JIIWMI 6 50.119 S JH2SMW 50.120 S JH2SMW 50.110 S JH2SMW 50.110 S JH2SMW 6 52.354 B JE2KDR 50.120 S JH2SMW 50.120 S JH2SMW 50.120 S JH2SMW 50.120 S JH3SMW	02220521 VK4DB 02220522 VK4DB 02220525 VK4DB 02220525 VK4DB 02220528 VK4DB 02220528 VK4DB 02220528 VK4DB 02220530 VK4BKM 02220530 VK4BKM 02220531 VK4BKM 02220531 VK4BKM	50.143 H JE2DWE 50.143 S JE2BCB 50.170 S JR2BCB 50.143 H JASCMO 50.170 S JULWHS 50.143 S JICPW 50.143 S JICPW 50.170 H JASCMO 50.170 S JE4JPP 50.170 S JE2DWE
02110730 KDLTL 5 SD Menard's Ad T KRUSEKA 02120221 NOIPL DM73 > DL44 S KE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO 03080159 KGNN 2 IA Cedar Rapids T WA51YX 03080129 KHOP 2 NE 717 T OGLETHO 03102009 WO/W7XU 57A EN13>EN82 150 S WSWNX 03102240 NOAKC 54A EN44>EN82 50.125 S WSWNX 03102302 WO/W7XU EN13> EN34 AU 144.2 W NOUK 03102337 WBOSOK EN34 > EN51 AU 144 W WA9JML 03102357-WBOSOK EN34 > EN51 AU 144 W WA9JML	02200438 VRAGPS 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRABLK QG5 02200450 VRAGPS 02200450 VRAPE 02200500 VRAPE 02200500 VRABLK QG2 0200500 VRABLK QG2	50.120 S JHINHS 50.140 S JLIVMI 50.130 S JIYMI 6 50.119 S JH2SMW 6 50.120 S JR2HCB 50.140 S JR2HCB 50.140 S JR2HCB 50.120 S JR2SMW 50.120 S JR2SMW 6 52.354 B JE2KDN 50.120 S JN1BBZ 50.125 S JHINHS 50.145 S JHIWHS 50.145 S JHIWHS	02220521 VK4DB 02220522 VK4DB 02220525 VK4DB 02220525 VK4DB 02220528 VK4DB 02220528 VK4DB 02220529 VK4DB 02220530 VK4BKM 02220531 VK4BKM 02220531 VK4BKM 02220533 VK4BKM 02220533 VK4BKM 02220533 VK4BKM	50.143 H JE2DWE 50.143 S JRZHCB 50.170 S JRZHCB 50.143 H JASCMO 50.143 H JASCMO 50.143 S JATKHQ 50.143 S JIICPH 50.143 S JIICPH 50.170 H JASCMO 50.170 S JE4JPP 50.170 S JE2DWE 50.170 S JE2DWE 50.158 B JATKSE
02110730 RDLTL 5 SD Menard's Ad T KRUSEKA 0212021 NOIPL DM73 > DL44 S KE2HWB 03031655 KXMA 2 ND 1110 T OGLETHO 03080059 KGNN 2 IA Cedar Rapids T WA51YX 03080129 KNOP 2 NE 717 T OGLETHO 03102009 WO/W7XU 57A EN13>EN82 715 S WSWBX 031022040 NOAKC 54A EN44>EN82 50.125 S WSWBX 03102302 WO/W7XU EN13> EN34 AU 144.2 W NOUK 03102343 NOUK EN34 > EN51 AU 144 W WA9JML 03102357-WB0SOK EN34 > EN51 AU 144 W WA9JML 031102057-WB0SOK EN34 > EN51 AU 144.2 W BOUK	02200438 VRABLK 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRABLK QG5 02200450 VRAGPS 02200450 VRAPL 02200500 VRABLK 02200500 VRABLK 02200500 VRABLK 02200505 VRABL 02200506 VRABL 02200506 VRABL 02200506 VRABL 02200506 VRABL 02200506 VRABLS	50.120 S JHINHS 50.140 S JLIVMI 50.130 S JILWMI 6 50.119 S JH2SMW 6 50.120 S JR2HCB 50.140 S JH2SMW 50.110 S JR2HCB 50.120 S JM2SMM 50.120 S JM2SMM 50.120 S JM1BBZ 50.125 S JH1WHS 50.145 S JH1WHS 50.145 S JH2SMW 50.120 S JA9BHS 50.120 S JA9BHS 50.120 S JA9BHS	02220521 VK4DB 02220522 VK4DB 02220525 VK4DB 02220525 VK4DB 02220528 VK4DB 02220528 VK4DB 02220529 VK4DB 02220530 VK4BKM 02220530 VK4BKM 02220531 VK4BKM 02220531 VK4BKM 02220535 VK4BKM 02220535 VK4PGG/B 02220535 VK4PG/B	50.143 H JE2DWE 50.143 S JR2HCB 50.170 S JR2HCB 50.143 H JA5CMO 50.170 S JH1WHS 50.143 S JA7KHQ 50.143 S JICPH 50.170 H JA5CMO 50.170 S JE4JFP 50.170 S JE2DWE 50.170 S JE2DWE 50.058 B JA7WSZ 50.058 B JA7WSZ 50.165 S JE4JFP 50.183 S JR2HCB
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O2111730 RDITE	02200438 VRABLK 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRABLK QG5 02200450 VRABLK QG5 02200450 VRABPS 02200500 VRABPS 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK >PN86 02200506 VRABLK >PN86 02200506 VRABPS 02200508 VRAPPS 02200509 VRABPS 02200510 VRADD 02200527 VRADD 02200527 VRADD 02200530 VRAPD 02200530 VRAPD 02200531 VRADD 02200532 VRADD 02200531 VRADD 02200531 VRADD 02200540 VRAPU 02200540 VRAPU 02200540 VRAPU 02200540 VRAPU 02200540 VRAPU 02200540 VRADD 02200345 VRADS 02220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS	50.120 S JHIWHS 50.140 S JLIYWH 50.130 S JTIWMI 6 50.119 S JHIZSMW 6 50.120 S JR2HCB 50.140 S JHIZSMW 50.110 S JR2HCB 50.140 S JHIZSMW 50.110 S JR2HCB 50.120 S JWZSMW 6 52.354 B JWZSMW 50.110 S JWZSMW 50.120 S JHIWHS 50.145 S JHIWHS 50.145 S JHIWHS 50.140 S JIICPN 50.140 S JA9BHS 50.140 S JHIWHS 50.135 S JHICPN 50.135 S JIICPN 50.135 S JA5CMO 50.100 C JA3CMO 50.110 C JA3 50.105 C JA1/2/3 51.672 F JA5CMO 50.110 C JA3	02220521 VK4DB 02220522 VK4DB 02220524 VK4BKM 02220528 VK4DB 02220528 VK4DB 02220528 VK4DB 02220528 VK4DB 02220529 VK4DB 02220530 VK4BKM 02220531 VK4BKM 02220531 VK4BKM 02220535 VK4RGG/B 02220535 VK4RPM 02220535 VK4PM 02220535 VK4PM 02220541 VK4PM 02220541 VK4PM 02220541 VK4PD 02220542 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4PM 02220552 VK4PB 02220552 VK4PB 02220552 VK4PB 02220552 VK4PB 02220553 VK4PB 02220550 VK4PB 02220550 VK4PB 02220550 VK4PB 02220550 VK4PB 02220550 VK4PB 02230510 VK4PB 02230520 VK4PB 02230540 VK4BLK 02240410 VK4BLK 02240410 VK4BLK 02240410 VK4BLK 02240410 VK4BLK 02240412 VK4BLK 02240420 VK4BLK 02240421 VK4BLK 02240421 VK4BLK 02240422 VK4BLK 02240422 VK4BLK 02240424 VK4BLK 02240434 VK4BLK 02240424 VK4BLK 02240424 VK4BLK 02240434 VK4BLK 02240434 VK4BLK 02240434 VK4BLK 02240434 VK4BLK 02240434 VK4BLK 02240424 VK4BLK 02240434 VK4BLK	SO.143 H JE2DWE
United States, W4  03012013**RASC 03	02200438 VRABLK 02200441 VRADUG 02200445 VRABLK QG5 02200445 VRABLK QG5 02200450 VRABLK QG5 02200450 VRABPS 02200500 VRABPS 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK >PN86 02200500 VRABLK >PN86 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABLK QG2 02200500 VRABPS 02200500 VRABPS 02200500 VRABPS 02200510 VRABPS 02200510 VRABPS 02200510 VRABPS 02200510 VRABPS 02200511 VRABPS 02200512 VRADO 02200522 VRADO 02200522 VRADO 02200525 VRADHI 02200527 VRADHI 02200527 VRADHI 02200527 VRADHI 02200530 VRAPU 02200530 VRAPU 02200531 VRAPU 02200531 VRADO 02200530 VRAPU 02200531 VRAPU 02200540 VRAPS 0220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS 02220415 VRAGPS 02220412 VRABVB	50.120 S JHIWHS 50.140 S JHIWHS 50.140 S JHIWHS 50.140 S JHIWHI 6 50.120 S JR2HCB 50.140 S JHZSMW 50.110 S JR2HCB 50.140 S JR2KDB 50.140 S JR2KDB 50.120 S JR2KDB 50.145 S JHIWHS 50.145 S JHIWHS 50.140 S JHIWHS 50.140 S JHICPN 50.140 S JHIWHS 50.115 S JHIWHS 50.135 S JHICPN 50.135 S JHICPN 50.135 S JHICPN 50.140 S JHIWHS 50.140 S JHI	02220521 VK4DB 02220522 VK4DB 02220525 VK4DB 02220528 VK4BKM 02220528 VK4BKM 02220528 VK4BKM 02220529 VK4DB 02220529 VK4DB 02220530 VK4BKM 02220531 VK4BKM 02220531 VK4BKM 02220535 VK4BKM 02220535 VK4BKM 02220535 VK4BKM 02220536 VK4PU 02220536 VK4PU 02220536 VK4PU 02220541 VK4PU 02220542 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4RO 02220545 VK4RO 02220552 VK4PM 02220552 VK4PM 02220552 VK4PM 02220552 VK4PM 02220550 VK4PB 02230520 VK4PB 02230520 VK4PB 02230520 VK4PB 02230540 VK4PB 022404040 VK4PB 02240410 VK4PB 02240421 VK4PBLK 02240422 VK4PBLK 02240422 VK4PBLK 02240422 VK4PBLK 02240424 VK4PBLK 02240424 VK4PBLK 02240424 VK4PBLK 02240424 VK4PB	50.143 H JE2DWE 50.144 S JR2HCB 50.147 S JR2HCB 50.143 H JA5CMO 50.170 S JH1WHS 50.143 S JA7HQ 50.143 S JA7HQ 50.143 S JA7HQ 50.147 S JH1CPW 50.170 S JR2SQE 50.183 S JR2HCB 50.183 S JR4CFP 50.183 S JR4CFP 50.183 S JR4CFP 50.183 S JR4CFP 50.116 S JR2HCB 50.117 S JR2HCB 50.117 S JR2HCB 50.117 S JR2HCB 50.110 S JR2HCB 50.116 S JH1WHS 50.117 S JI1CPW 50.110 S JR2HCB 50.140 S JA7HQ QG56 50.110 S JA7HQ QG56 50.110 S JA7HQ QG56 50.110 S JA7HQ 50.160 S JR2HCB 50.110 S JR2HCB

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02240547 VK4DB	50.110 S JH1WHS	03030451 VK4DO	50.125 S JR2HCB	03140436 VX4FNQ	50.150 H JA1VOK
02240550 VK4DB	50.110 S JA1VOK	03030452 VK4GPS	50.140 S JRZHCB	03140436 VK4KK	50 140 H TE20NE
02250406 VK4RGG/B	50.058 B JA7WSE	03030454 VR4/VR2F2	50.110 S JR2HCB	03140437 VX4KK	50.145 H JA1VOK
02250408 VK4DMI	50.110 S JA/WSA	03030517 VK4DV	50.136 S JR2HCB	03140440 VK4 ch0 S9+	51.672 F JA1VOK
02250411 VK4GPS	50 140 S .TR2KDN	03030519 VK4/VK2FZ	50.100 C JR2HCB	03140440 VK4FNQ	50.150 H JE2DWE
02250412 VK4WTN	50.120 S JE2KDN	03030520 VK4DV	QG56 50.140 S JI1WMI	03140447 VK4/VK2FE	50.096 H JE2DWE
02250414 VK4TEL	50.130 S JE2KDN	03030530 VK4BRG/B	50.077 B JR2HCB	03140456 VK4BRG	50.0775 B JAIVOK
02250414 VK4TEL	50.130 S JH1WHS	03030533 VK4ABP/B	52.347 B JRZHCB	03140504 VK4ABP FSK	50 130 C TESTINE
02250417 VK4DMI	50.150 S JE2KDH	03030544 VK4FNQ	50.130 8 JRZRCB	03140607 VK4RO	50.130 H JAIVOK
02250417 VK4WTM	50.120 S JHIWHS	03030545 VK4BLK	50.160 S JR2HCB	03150020 VK4 ch0	46.172 V JA1VOK
02250418 VK4WTM	50.160 S JA7WS	03030641 VK4FNO	50.130 S JL3IVM	03150545 VK4TL	50.115 H JA1VOK
02250420 VK4BLK	50.160 S JE2KDN	03040428 VK4BRG	50.0775 B JH6VXP	03150548 VK4TL	50.115 S JH1WHS
02250420 VK4KR	50.145 S JE2KDH	03040437 VK4DB	50.110 C JH6VXP	03160434 VK4BRG	50.0775 H JE2DWS
02250421 VK4KR	50.145 S JA7WSE	03040437 VK4DB	50.110 C JR2HCB	03180626 VK4DB	50.110 H JEZDWE
02250423 VK4/VK2FE	50.096 C JE2KDN	03040515 VK4RIK	52.445 B JEZDWS	03180948 VK4DO	50.110 H JE2DWS
02250423 VK4TEL	50.129 S JA/WSE	03040517 VK4RIK/B	50 100 C JR2HCB	03190347 VK4KK	50.110 H JR2DWS
02250424 VK4GPS	50.140 S JIIWHI	03050339 VK4DV	50.110 S JA7WSE	03190400 VK4BRG	50.0775 B JE2DWS
02250425 VK4GFS	50.077 B JA7WSZ	03050349 VK4DV	50.130 S JE2DWZ	03190422 VK4ABP	52.3465 B JE2DWE
02250430 VK4DMI	50.150 S JH1WHS	03050400 VK4DV	50.130 S JE2XBY	03190427 VK4 ch0	51.672 F JE2DWS
02250434 VK4KHO	50.110 S JA7WSE	03050410 VK4DO	50.110 H JE2DWE	03190547 VK4DO	50.110 H JE2DWE
02250437 VK4KHQ	50.170 S JH1WHS	03050410 VK4DO	50.110 S JR2HCB	03190940 VK4AFL	50.170 8 JA5CHO
02250437 VK4VV	50.109 S JE2KDM	03050420 VK4/VK2FE	50.096 C JEZKBY	03190941 VK4AFL	50.109 H JEZDWS
02250438 VK4VV	50.108 S JA/WSZ	03050421 VK4BKG/B	50.077 B JB27B1	03200503 VK4ABP	52.3465 B JE2DWS
02250440 VK4ABP	52.3403 B UNIANS	03050426 VK4WTN	50.110 H JE2DWE	03200607 VK4LE	50.110 H JE2DWS
02250440 VK4RIQ	50.105 C JA7WSE	03050427 VK4WTN	50.110 S JR2HCB	03200620 VK4DO	50.110 H JE2DWE
02250448 VK4VV	50.120 S JH1WHS	03050428 VK4DO	50.110 S JR2HCB	03200701 VK4DUG	50.110 H JE2DWE
02250510 VK4TEL	50.130 S JI1WMI	03050428 VK4WTM	50.150 H JH4JPO	03201013 VK4FP	50.110 H JE2DWE
02250512 VK4KR	50.149 S JH1WHS	03050432 VK4DO	50.109 H JH4JPO	03201017 VK4FP	50.110 H JASCHO
02250532 VK4/VK2FE	50.096 C JH1WHS	03050436 VK4CWJ	50.110 S JR28CB	03210036 VK4 CHO	50 130 H .TAIVOK
02250538 VK4/VK2FE	46 172 U T#2D##	03050438 VK4RRG/R	50.077 B JA7WS	03210558 VK4HT	50.120 H JA1VOK
02260417 VM4 ChU	51.672 F JR2DWS	03050440 VK4ABP	52.3465 B JE2DWE	03211030 VK4 ch0	46.172 V JA1VOK
02260433 VK4KK	50.109 C JR2HCB	03050440 VK4BRG	50.0775 B JE2DWE	03211047 VK4RIK 569 FSK	52.445 B JA1VOK
02260434 VK4/VK2FS	50.096 H JE2DWE	03050441 VK4BRG	50.0775 B JH4JPO	03211050 VK4RIK	52.445 B JA3JTG
02260436 VK4GPS	50.110 H JE2DWE	03050442 VK4CWJ	50.150 8 JA7WSE	03220300 VK4 Ch0	40.1/2 V JAIVOK
02260437 VK4BLK	50.110 H JE2DWZ	03050450 VK4ABP/B	50 130 S TATES	03220325 VK4 GHU	50.160 S .TALVOR
02260439 VK4BLK	50.110 S JR2HCB	03050453 VK4DMI	50.130 S JR2HCB	03220339 VK4ABP FSK	52.3465 B JAIVOK
02200445 VK4ABP	50.0775 B JE2DWE	03050454 VK4/VK2FE	50.120 C JR2HCB	03220341 VK4YR	50.145 S JH1WHS
02260445 VK4BRG/B	50.077 B JR2HCB	03050500 VK4RGG/B	50.058 B JA7WS2	03220342 VK4/VK2FE	50.098 C JA1VOK
02260456 VK4GPS	50.110 S JR2HCB	03050501 VK4ABP	52.346 B JA7WSZ	03220410 VK4APG	50.185 S JH1WHS
02260500 VK4DO	50.110 S JR2HCB	03050502 VK4FNQ	50.130 S JR2HCB	03221000 VK4 ch0	46.172 V JA1VOK
02260505 VK4DO	50.135 H JE2DWZ	03050503 VK4DB	50.111 C JRZHCB	03221050 VK4RIK FSK	52.445 B JAIVOR
02260508 VK4DO	50.130 S JI1WMI	03050504 VK4FNQ	50.130 H JH4JPO	03221034 VK4KIK FSK	50 130 S JULYUS
02270321 VK4 Ch0	50 150 C TR20WE	03050507 VK4ERQ	50.110 S JH4JPO	03221148 VK4TL	50.110 S JA1VOK
02270426 VK4GPB & H 0304	50.110 S JE2DWS	03050510 VK4DB	50.110 C JA7WS\$	03221253 VK4TL	50.110 8 7J6CCU
02270445 VK4KK	50.175 S JH1WHS	03050512 VK4/VK2FE	50.101 C JA7WSE	03221255 VK4TL	50.110 S JR6VSP
02270500 VK4BRG/B	50.077 B JR2HCB	03050522 VK4ABW	50.130 S JR2HCB	03230441 VK4ABW	50.150 S JH1WHS
02270530 VK4/VK2FE	50.095 C JR2HCB	03050523 VK4ABW	50.130 H JH4JPO	03230501 VK4AFL	50.110 S JH1WHS
02270532 VK4 ch0	51.672 F JE2DWE	03050524 VK4DUG	50.120 S JA/WS2	03201025 ANARIN > QMOS FBR	32.443 B DAIVOR
02270532 VK4ABP	50 150 G JE2UWA	03050524 VK4D00	50.130 S JA7WS#	South Australia-VK5 02140535 VK5BC 02140545 VK5BV 02140548 VK5BC 02140549 VK5ZCK 02140550 VK5ZBK 02140557 VK5ZBK 03010353 VK5GN 03010410 VK5BC 03010412 VK5BC 030251036 VK5ZBK	
02270532 VA4DAS	50.101 C JR2HCB	03050530 VK4DUG	50. S JH4JPO	South Australia-VKS	
02270547 YK4VV	50.135 H JE2DWE	03050658 VK4GPS	50.110 H JE2DWE	02140535 VK5BC	50.110 S JIICPR
02270556 VK4VV	50.140 S JR2HCB	03050700 VK4GPS	50.111 C JR2HCB	02140545 VK52VK	50.1 S JASGUM/4
02270558 VK4BRG	50.0775 B JE2DWE	03050712 VK4DUG	50.110 H JE2DWE	02140549 VK5ZCK	50.150 S JIICPM
02270605 VK4DMI	50.160 S JH1WHS	03060509 VK4BRG	50.0775 B JE2DWS	02140550 VK5ZBK	50.150 B JR2HCB
02270606 VK4GPD	50.105 C JR2HCB	03060511 VK4D0	50.110 C JR2HCB	02140557 VK5ZBK	50.150 S JHOBQX
02270630 VK4DR	50.160 S JH1WHS	03060547 VK4DO	50.110 H JE2DWZ	03010353 VK5GN	50.160 S JA1VOK
02270640 VK4BLK	50.135 S JH1WHS	03070309 VK4 ch0	46.172 V JA1VOK	03010410 VK5BC	50.111 C JEZXBY
02270642 VK4BLK	50.135 H JE2DWE	03070350 VK4GPS	50.110 H JA1VOK	03010412 VK5BC >PM94	50.110 C JH2CON
02270647 VK4/VK2FE	50.095 H JE2DWE	03070355 VK4AFL	50.110 H JA1VOK	03010420 VK5ZBK	50.150 S JH1WHS
02270651 VK4KR	50.150 S JI1WMI	03070356 VK4DO	50.110 S JRZHCB	V3232V3V	
02270657 VK4KR	50.150 H JE2DWE	03070405 VK4ABP/P FSK	50 090 C TR2HCR	Australia Tasmania-VI	Z7
02280308 VK4 Ch0	46.172 V JEZUWE	03070411 VK4DO	50.180 S JR2HCB	Australia-Tasmama-vi	
02280516 VK4DB	50.095 B JE2XBY	03070434 VK4DO	50.125 H JA1VOK	02130427 VK/KAB/B	50.111 C THANK
02280520 VK4DO	50.095 C JE2XBY	03070445 VK4ABP/B	52.347 B JR2HCB	02130503 VK7GUN	50.125 C JR2HCB
03010310 VK4 ch0	46.172 V JA1VOK	03070445 VK4BRG/B	50.077 B JR2HCB	02130505 VK7RAE/B	50.057 B JR2HCB
03010325 VK4RGG/B	50.057 B JA8GSE	03070445 VK4RAS/B	50.047 B JR2HCB	02130508 VK7GUM	50.120 S JI1WMI
03010335 VK4GPB	50.110 S JACGS2	03070450 VX4ABW	50.105 C JR2HCB	02190555 VK7RAE	50.0565 B JH4JPO
03010333 VK4ER	50.150 S JA3/4	03070500 VK4 ch0 89+	51.912/51.672 F JAIVOK	02200407 VK/RAE/B	SU. US/ B JIIWMI
03010341 VK4DLK	50.135 8 JA8GSE	03070500 VK4TEL	QG46 50.135 S JR2HCB	A 4 12 - N 41 T	
03010344 VK4BLK	50.135 S JA1VOK	03070506 VK4TEL	50.135 H JA1VOK	Australia-Northern lei	1.
03010345 VK4BRG/E	50.377 B JE2XEY	03070517 VK4DU3	50.100 H JA1VOR	0214034 VASKAS/B PG	50 047 B TEATER
03010346 VK4BRG/B	50.077 B JA8GSE	03100335 VK4DMI	50.160 S JR2HCB	02190515 VK8RAS >PM96	50.0465 В ЈНОНИВ
03010347 VK4KE	50.096 C JE2XBY	03100350 VK4CWJ	50.125 S JR2HCB	02190550 VK8RAS >PM64	50.0465 B JH4JPO
03010348 VK4RGG/B	50.058 B JE2XBY	03100405 VK4GPS	50.110 S JR2HCB	02190620 VK8RAS/B PG	56 50.046 B JH4EHF
03010349 VK4DO	50.145 S JE2XBY	03100413 VK4AFL	50.110 H JE2DWE	02200450 VK8RAS/B PG	56 50.047 B JI1WHI
03010350 VK4BLK	50.140 S JE2XBY	03110315 VK4APG > QN	03 50.180 S JASRC	02200451 VK8RAS/B PG	56 50.047 B JR2HCB
03010351 VK4TQ	50.116 S JE2XBY	03110322 VK4WTM > QM	03 50.180 S JASRC	02201235 VK8VF -1345	30.037 B JA3CHO
03010353 VK4WTN	50.155 S JASGSZ	03110333 UK4GPS > ON	03 50 140 S TARRO	02211143 VKSKAS 02211200 VKSVF/R	50.057 B JR2505
03010357 VK4BRG	50.110 S JA4	03110343 VK4BRG > ON	03 50.0775 B JASRC	02211209 VK8VF	50.057 B JH4JPO
03010400 VK4WTB	50.135 S JR2HCB	03110348 VK4DO 59 240	50.110 S KH7R	02211210 VK8VF	50.057 B JA5CHO
03010402 VK4DO	50.145 8 JH3DMQ	03110350 VK4VV > QM	03 50.160 S JASRC	02221100 VK8VF	50.057 B JA6QGG
03010408 VK4KGP	50.190 S JR2HCB	03120436 VK4KK	50.110 H JE2DWZ	02221110 VK8VF	50.057 B JA5CHO
03010418 VK4BRG/B	50.077 B JA7WSZ	03120445 VK4 Ch0	50 110 B 7820WE	02221110 VK8VF	50.057 B JE2DWE
03010416 VK4GPS	50.103 8 JA/WSE 50.145 8 JA7WSE	03120503 VK4KR	50.155 S JE2DWS	02221135 VK8MS	50.150 8 JA5CHO
03010419 VK4RGG/B	50.058 B JA7WSZ	03120510 VK4ABP	52.3465 B JE2DWE	02221135 VK8VF >PM74	50.057 B JA3EGE
03010420 VK4DB	50.135 8 JE1TGN	03120525 VK4DO	50.110 H JE2DWE	02221140 VK8MS	50.110 8 JA3EGE
03010421 VK4KMA	50.165 S JA7WSE	03120545 VK4YNC	50.110 H JE2DWE	02221153 VK8MS & 1218	50.110 S JA2-6
03010422 VK4KK	50.120 B JA8GSZ	03130427 VK4BRG	50.0775 B JE2DWS	02221219 VK8MS	50.110 B JA6QGG
03010428 VK4KK	50.120 B JA7WSE	03130429 VK4KK	50.110 H JEZDWE	02230540 VERRAS/R	56 50.047 B JA2-5
03010426 VK451X	50.135 8 JA7WS	03130430 VK4APG	50.180 H JA5CMO	02230612 VK8RAS/B PG	56 30.047 B JR2HCB
03010431 VK4SIX	50.175 8 JA7WSE	03130432 VK4BRG	50.110 H JE2DWS	02231215 VK8VF >PL36	50.057 B JR6VSP
03010434 VK4APG	50.180 S JA7WSE	03130435 VK4AFL	50.160 H JA5CHO	02250425 VK8RAS/B	50.047 B JE2KDM
03010434 VK4APG	50.180 S JA8GSE	03130441 VK4 ch0	51.672 F JE2DWE	02251200 VK8VF/B	50.057 B JR2HCB
03010436 VK4APG	50.180 S JA7KHQ	03130441 VK4KR	50.110 H JE2DWE	02251215 VK8VF	50.057 B JR6VSP
03010438 VK4DMI	50.1 8 JA/WSI	03130441 VK4KGG	50 118 H JEZDWE	02260505 VK8RAS	50.0465 B JE20WE
03010445 VK4DV	PG56 50.139 S JA7KHO	03130506 VK4ABP	52.3465 B JE2DWE	02261140 VK8VF	50.057 B JH4JPO
03010445 VK4JSR	50.160 8 JA7WSE	03130514 VK4WTM	50.110 H JE2DWE	02261145 VK8VF/B	50.057 B JR2HCB
03010446 VK4BRG/B	50.077 B JA7KHQ	03130515 VK4/VK2F%	50.095 H JA5CMO	02270522 VK8VV	50.135 S JI1WHI
03010450 VK4DMI	50.110 S JR2HCB	03140210 VK4 ch0	46.172 V JA1VOK	02270530 VK8RAS/B	50.047 B JA1/2/3
03030445 VK4/VK2FE	50.110 S JR2HCB	03140436 VK4/VK2FE	50.095 H JAIVOK	02270302 VK8RAS	50.0403 B JE2DWE
03030443 VA40EB 4 0322	JULII C UKINGS		COLLEGE CALVON	03140436 VX4FNQ 03140436 VX4KK 03140437 VX4KK 03140437 VX4KK 03140440 VX4FNQ 03140440 VX4FNQ 03140440 VX4FNQ 031400456 VX4BRG 03140543 VX4RR 03140554 VX4RD 03150548 VX4TL 03150548 VX4TL 03150548 VX4TL 03150548 VX4DD 03190347 VX4KK 03190040 VX4BRG 03180626 VX4BBP 03190347 VX4BP 03190427 VX4DD 03190347 VX4BP 03190427 VX4DD 03190941 VX4BP 03190447 VX4DD 03190940 VX4AFL 03190940 VX4AFL 03190941 VX4PP 03200620 VX4DD 03200503 VX4DD 03200503 VX4BP 03200607 VX4DD 03200503 VX4BP 03201013 VX4FP 03210105 VX4RIK 03201014 VX4PF 03210558 VX4BT 03211030 VX4 ch0 03210558 VX4BT 03211030 VX4 ch0 03210558 VX4BT 03211030 VX4 ch0 03220320 VX4 ch0 03220321 VX4 ch0 03220322 VX4 ch0 03220323 VX4 ch0 03220323 VX4 ch0 03220310 VX4 ch0 03221050 VX4RIK 03220314 VX4RIK 03220314 VX4RIK 03221144 VX4RIK 03221255 VX4TL 03221253 VX5GN 03100410 VX5BC 02140549 VX5BC 021	D D D. INGROW

02271300 VK8MS 50.110 H JH6VXP 02280415 VK8RAS 50.0465 B JH0HME 02280452 VK8RAS/B 50.047 B JEZXBY 03010344 VK8RAS/B 50.047 B JEZXBY 03010344 VK8RAS/B 50.047 B JEZXBY 03010346 VK8RAS/B 50.045 B JANOM 03010439 VK8GF 50.147 S JA7WSZ 03010441 VK8GF 50.148 S JA7WSZ 03010441 VK8GF 50.148 S JA7KHQ 03010441 VK8GF 50.148 S JA7KHQ 03010447 VK8GF 50.148 S JA7KHQ 03010500 VK8GF 50.148 S JA7KHQ 03030457 VK8RAS/B 50.047 B JA7KHQ 03030457 VK8RAS/B 50.0465 B JH6VXP 03050500 VK8RAS/B 50.0465 B JA1VOK 03070545 VK8RAS/B 50.0465 B JA1VOK 03070545 VK8RAS/B 50.0465 B JA1VOK 03091308 VK8MS 50.0465 B JA1VOK 03091310 VK8VF 50.057 B JA5CMO 03091312 VK8PM >PL36 50.110 S JR6VSP 03091312 VK8PM >PL36 50.110 S JR6VSP 03091315 VK8PM >PL36 50.110 S JR6VSP 03091315 VK8PM >PL36 50.110 S JR6VSP	MARSHALLIS	02160210 LU9EHF/B S0/1 B HP3XUG
02280415 VK8RAS 50.0465 B JH0HME 02280452 VK8RAS/B 50.047 B JE2XBY	MARSHALL IS.  02200530 V73AT SSB 0 0532  03050857 V73AT  03070522 V73AT  03070523 V73AT  03070602 V73AT  03120642 V73AT  03211202 V73AT  03211203 V73AT  50.110 C JA1  50.110 C JA1  50.110 C JA1  50.110 C JA1  50.120 C 7J6CCU  03211203 V73AT  50.120 C JR6VSP	02160210 LU9EHF/B S0/1 B HP3XUG 02200213 LU9EHF/B S0/1 B HP3XUG 02210152 LU9EHF/B S0/1 B HP3XUG 02230204 LU9EHF/B S1/2 B HP3XUG 02230204 LU9EHF/B S1/2 B HP3XUG 02240228 LU9EHF/B S1/2 B HP3XUG 03032125 LW2DDS 59+ 50.110 W WP40 03032145 LW1DZB 57 W WP40 03032145 LU6DZY 57 DANIEL 50.125 W WP40 03032256 LU6DRV > FR68 WP40 03032256 LU6DRV > FR68 WP40 03052209 LU6DIH W WP40 03052201 LUGDIH W WP40 03052201 LUGDIH W WP40 0305212 LU3ENK W WP40 0305212 LU3ENK W WP40 0305212 LU3ENK W WP40 03060249 LU9EHF/B S0/1 B HP3XUG 03080400 LU9EHF/B S0/1 B HP3XUG 03080401 LU9EHF/B S0/1 B HP3XUG 03080412 LU9EHF/B S0/1 B HP3XUG 0308212 LU3ENK > FR68 W WP40 0308213 LU3ENK > FR68 W WP40 0308213 LW5EJU > FR68 W WP40 0308213 LW5EJU > FR68 W WP40 0308213 LW5EJU > FR68 W WP40
03010344 VK8RAS/B 50.047 B JE2XBY 03010346 VK8RAS/B 50.047 B JA8GSZ	03070522 V73AT 50.130 H JAIVOK	02230204 LU9EHF/B S1/2 B HP3XUG 02240238 LU9EHF/B S1/2 B HP3XUG
03010358 VK8RAS 50.0465 B JAIVOK 03010439 VK8GF 50.147 S JA7WSZ	03070602 V73AT 50.1 C JA5	03032126 LW2DDS 59+ 50.110 W WP40 03032145 LW1DZB 57 W WP40
03010441 VKSGF 50.148 S JASGSE 03010443 VKSGF 50.148 S JA7KHQ	03211202 V73AT 50.120 C 7J6CCU	03032145+LU6DQV 57 DANIEL 50.125 W WP40 03032256 LU6DRV > FK68 WP40
03010447 VKSRAS/B PG66 50.047 B JA7KHQ 03010500 VKSGF 50.148 S JR2HCB		03032310 LW2DDS > FK68 WP40 03052205 LW8EWD W WP40
03030457 VK8RAS/B 50.047 B JR2HCB 03040505 VK8RAS 50.0465 B JH6VXP	Minami-Tori Shima 01020832 JD1BIY(JD1-M) 50.547 A JR2HCB 01020940 JD1BIY(JD1-M) 50.110 S JR2HCB 01040513 JD1BIY(JD1-M) 50.110 S J11WHI	03052209 LU6DIH W WP40 03052214 LU3EMK W WP40
03040505 VK8RAS/B 50.047 B JR2HCB 03050440 VK8RAS 50.0465 B JE2DWZ	01020940 JD1BIY(JD1-M) 50.110 S JR2HCB	03060001 LU TE WP40 03060249 LU9EHF/B S0/1 B HP3XUG
03050500 VK8RAS/B 50.047 B JR2HCB 03070454 VK8RAS 50.0465 B JA1VOK	NEW CALEBONIA	03070324 LU9EHF/B S0 B HP3XUG 03080400 LU9EHF/B S0/1 B HP3XUG
03070545 VK8RAS 50.0465 B JA5CMO 03091150 VK8VF 50.057 B JA5CMO	NEW CALEDONIA  02270530 FRITK  02270535 FRITK  02270535 FRITK  03010400 FRITK	03082132 LU3EMK > FK68 W WP40 03082146 LU1DVT > FK68 W WP40
03091308 VK8MS 50.110 S JR6VSP 03091312 VK8PN 50.110 S JR6VSP	02270535 FK1TK 50.110 S JE2KDN 02270558 FK1TK 50.130 H JE2DWE	03082318 LW5EJU > FK68 W WP40 03092130+LU2EQU, LU1DZB, LU1DVT, LU6DTN WP40
03091315 VK8PN >PL36 50.110 S JR6HI 03120440 VK8RAS 50.0465 H JE2DWE	03010400 FK1TK 50.130 S JASGSE 03010400 FK1TK (RG37) 50.110 S JAIVOK	03092130+LW5EJU. LU6DRV > FK68 WP40
03120440 VM8RAS 50.0465 H JEZDWE 03130511 VM8RAS 50.0465 B JEZDWE 03130530 VM8RAS 50.0465 B JASCHO	03010400 FRITK (RG37) 03010407 FRITK 03010407 FRITK 03010407 FRITK 03010417 FRITK 03010417 FRITK 03010420 FRITK 03010421 FRITK 03010421 FRITK 03010421 FRITK 03010421 FRITK 030300431 FRITK 030300515 FRITK 03030515 FRITK 03030515 FRITK 03030518 FRITK 03030528 FRITK 03030530 FRITK	03092130+LW6EUQ, LUIVK > FK68 WP40 03112005 LU6DIH 59+20 50.110 8 WP40 03112012 LU6DDB > FK68 50.110 8 WP40
03140440 VK8RAS 50.0465 B JA1VOK	03010417 FK1TK 50.130 S JA7WSE	03112012 LU6DPG > FK68 50.110 8 WP40 03120031 LUB \$1/2 50.110 H HP3XUG 03120033 LU8EWD 549/599 GF05 50.1104 C HP3XUG
03141230 VK8VF >PL36 50.057 B 7J6CCU	03010421 FK1TK RG37 50.130 S JH3DMQ	03132150 LU -2300 > BK88 W W1LP/MM 03142330 LU -2350 > BK94 W W1LP/MM
03161130 VR8VF 50.057 B JA6TEW	03010445 FK1TK 50.130 H JAIVOK	03152035 LU9AEA/MM RIO LA PLATA S WP40 03152038 LU6DRV > FK68 S WP40
03161130 VR8VF 50.057 B JA1VOK	03030528 FK1TK RG37 50.120 S JI1WMI	03152039 LU7VD PATAGONIA > FK68 S WP40
03161140 VRSVF 50.037 B 5220W2 03161144 VRSKTC (PH86) 50.110 S JA6TEW		03162045 LU WP40 03172350+LU 59 < 0015 > FK68 W WP40 03182350 LU -(19)0050 > BK51 W W1LP/MH
03161202 VKSKTC 50.110 S JH4JPO 03161204 VKSKTC 50.110 S JA5CMO	NEW ZEALAND 01030234 £L2TPY 50.110 S JR2HCB	03192145 LU -(20)0230 > EK35, EK25 W W1LP/MM
03161205 VKCRH 50.119 H JR6VSP 03161210 VK8KTC 50.110 H JR6VSP	01140442 ZL3TY SSB @ 0510 50.110 C JR2HCB 02132200 ZL-TV S1-3-2400 45.24/45.26 V K6QXY	03222124 LU S5 QSOing XE 50.110 S HP3XUG
03161333 VK8PN 50.110 C JR6VSP 03161344 VK8PN 50.110 H JA1VOK	02152119 EL-TV WEAK -2130>CM88 45.25 V K6QXY	03222141 LU2EGQ 53/55 GF05 50.135 8 HP3XUG 03222250 LU -(23)0015 > EK06, DK96 W W1LP/MM
03171145 VK8PN 50.150 S JA5CMO 03180659 VK8RAS 50.0465 B JH4JPO	02170445 EL3TY 50.1 S JASGJN/4 02170455 EL3TY 50.110 C JR2HCB 02180345 EL Ghl >PM63 45.25 V JA5CMO	03230003 LU9EHF/B S0 wk B HP3XUG 03230035 LU9EHF/B S1/3 -0322 B HP3XUG
03181210 VK8PM 50.110 H JE2DWE 03191025 VK8KTC 50.110 H JA5CMO	02182230~EL-TV WEAK > CM88 45.25 V K6QXY	03230043 LUIICI 55/58 55 GG22 50.105 8 HP3XUG 03230101 LUIMAF 55/57 FF57 50.105 8 HP3XUG
03191030 VKSRAS 50.0465 B JA5CMO 03191130 VKSPN 50.120 S JE2DWE	02190035 ZL-TV-0100 STRONG 45.24/.25 V K6QXY 02220554 ZL obl 45.24 @ 0747 45.25 V JE2DWS	03230135 LU9EHF 59/59 FF95 50.105 S HP3XUG 03230139 LU9MA 55/59 FF56 50.105 S HP3XUG
03191135 VK8PM 50.120 H JA5CMO 03191216 VK8MS 50.110 H JE2DWE	03010300 SL-TV 45. JA8GSS	03230154 LW4ETR 55/54 GF05 BA 50.105 S HP3XUG 03240107 LU9EHF/B S0/1 B HP3XUG
03140545 VK8RAS 03141230 VK8VF >PL36 03141435 VK8VF >PL36 03161130 VK8VF 50.057 B JR6VSP 03161130 VK8VF 50.057 B JR6VSP 03161130 VK8VF 50.057 B JR6VSP 03161140 VK8VF 50.057 B JR6VSP 03161140 VK8VF 50.057 B JR6VSP 03161140 VK8VF 50.057 B JR6VSP 03161202 VK8KTC 50.10 S JR6VSP 03161204 VKSKTC 50.110 S JR6TEW 03161204 VKSKTC 50.110 S JR6VSP 03161210 VKSKTC 50.110 S JR6VSP 03161210 VKSKTC 50.110 C JR6VSP 03161210 VKSKTC 50.110 L JR6VSP 03161210 VKSRTC 50.110 B JR6VSP 03161330 VKSRM 50.110 C JR6VSP 03191210 VKSRMS 50.110 H JA5CMO 03191130 VKSRMS 50.145 B JR4JPO 03191130 VKSRMS 50.110 H JA5CMO 03191130 VKSPW 50.110 H JA5CMO 03191130 VKSPW 50.110 H JA5CMO 03191130 VKSPW 50.120 S JR2DWS 03191216 VKSPW 50.120 B JR2DWS 03191210 VKSPW 50.120 B JR2DWS 03191210 VKSPW 50.120 H JA5CMO 03191210 VKSPW 50.145 H JR6VSP 03191210 VKSPW 50.145 H JR6VSP 03191210 VKSPW 50.145 H JR6VSP 03191210 VKSPM 50.145 H JR6VSP 03191210 VKSPM 50.145 H JR6VSP 03191210 VKSPM 50.145 B JR6VSP 03191210 VKSPM 50.140 S JR9BWS 03211047 VKSRTC 200° 03211047 VKSRTC PH86 TEP 46-7 50.110 S JR1VOK 03211047 VKSRTC PH86 TEP 46-7 50.110 S JR1VOK	02240420 EL ohl 45.26 V JAIVOK 03010300 EL-TV 45. JASGSE 03010325 EL ohl 45.25/45.26 V JAIVOK 03050731 EL2AGI 50.110 H JE2DWE 03050735 EL2AGI 50.110 B JR2HCB 03050741 EL2KT 50.110 B JR2HCB	03240140 LU9EHF/B S1/2 -0404 B HP3XUG 03240140 LUB SSB S1 50.110 H HP3XUG
03191220 VK8PN 50.145 H JR6VSP 03191310 VK8MS 50.140 S JA9BHZ	03050735 EL2AGI 50.110 S JR2HCB 03050741 EL2RT 50.110 S JR2HCB	03250126 LUSEGB SSB 82/3 CQing .110 H HP3XUG 03250129 LUSEGB 53/55 57 GF05 50.105 S HP3XUG
03200503 VK8RAS 50.0465 B JE2DWE	03102214 EL-TV S9-2240 45.24/.25/.26 V MSJHV 03130456 EL ch1 45.26 V JE2DWE	03250236 LU9EHF/B S1/3 -0319 B HP3XIG
03211047 VK8KTC 200° 50.110 S JA1VOK 03211047 VK8KTC PH86 TEP 46-7 50.110 S JA1VOK	03142359 EL ch1 45.24/45.25/45.26 V JA1VOK 03160310 EL ch1 45.24/45.26 V JE2DWE	03250319 LU9EHF/B S0/1 B HP3XUG 03270004 LU9EHF/B S2/4 B HP3XUG 03270213 LU9EHF/B WKG TI4 59 50.110 H HP3XUG 03272200-LU TEP W WP4O 03292100-LU WP4O W6JKV/5
03211047 VK8PN 59 > QM05 H JA1VOK	03170422 ZL2TPY 50.107 S JA9BHZ 03170427 ZL2TPY 50.110 S JH1WHS 03170438 ZL4AAA 50.110 C JH4JPO	03272200~LU TEP W WP40 03292100~LU W6JKV/5
03211047 VK8PB 59 > QMO5 03211051 VK8RTC 03220320 VK8RAS 03220322 VK8RAS 03220322 VK8RAS 03220322 VK8RAS 03221016 VK8RAS 03221010 VK8RAS 03221010 VK8RAS 03221011 VK8PW 03221111 VK8PW 03221111 VK8MS 03221111 VK8MS 03221112 VK8MS 03221112 VK8MS 03221112 VK8MS 03221112 VK8MS 03221121 VK8MS 03221121 VK8MS 03221121 VK8MS 03221121 VK8MS 0322112 VK8PW 0322128 VK8PW 0322128 VK8PW 0322128 VK8PW 0322128 VK8PW 0322189	03170438 EL4AAA 50.110 C JH4JPO 03170445 EL2AGI >PM74 50.110 H JJ3WXG	
03220322 VKSRAS 50.0465 B JAIVOK	03170445 EL2AGI >PM74 50.110 H JJ3WXG 03170445 EL3NE 50.110 H JJ3WXG 03170448 EL3NE 50.110 C JH4JPO	BRAZIL 12281743 PU2MHL 59 MARCIO Es 50.110 LW5EJU
03221016 VKSRAS 50.0465 B JAIVOK 03221030 VKSRAS 50.0465 B JE2DWZ	03231930 EL VIDEO > DM62 45.2XX V M5JHV 03232300 EL VIDEO > CM85 45.24/45.25 V K7RWT	12312346 PY2XB 539/539 GG66 50.1108 C HP3XUG 12312354 PY1AA/B SO/1 & SO @ 2343 B HP3XUG
03221051 VKSPN 50.110 H JE2DWE 03221101 VKSMS 50.110 H JE2DWE		12312354 PY2SFY/B SO wk B HP3XUG
03221111 VK8MS 50.140 S JH1WHS 03221113 VK8MS 50.140 S JA1VOK	PAPUA/NEW GUINEA 03251050 P29 -1106 50.110 H VK3SIX	12312354 PY2SFY/B SO wk B HP3XUG 01010008 PY2SFY/B SO -0055 B HP3XUG 01010008 PY2SFY/B SO -0055 B HP3XUG 01020019 PY2AA/B SO HI QRB B HP3XUG
03221121 VK8KTC 50.110 S JH1WHS 03231220 VK8PN 50.110 H JA5CMO	03251053 P29KFS 50.110 S JH1WHS 03251156 P29KFS 50.110 S 7J6CCU	01020024 PY5CC .1105 SSB S0 50.1005 C HP3XUG
03231226 VROPA -01/2 30.120 5 VRYORMI	03251158 P29KFS > OL72 50.110 S VR2LC	01040218 PY2AA/B S0 B HP3XUG 01040218 PY2SPY/B S0 wk B HP3XUG 01041448 PU2MHL 59+MARCIO Es 50/110 LW5EJU
RELAU	03251218 P29KFS > PL36 50.115 S JR6VSP	01041808 PY2XB 51 FRED Es 50.110 LW5EJU
03120905 T88IY 50.110 S JE2DWS	PHILLIPINES	01041816 PY2AA 52 Bs 50.059 B LW5EJU
03170525 T881Y 50.110 S JA9BHZ	03091200 DU ch2 S9+ 55.25 V JA5CMO 03091217 DU7/N7ET 50.110 S JA5CMO	01060014 PY2AA/B S0 B HP3XUG
03170532 T881Y 50.110 H JAIVOK	03091230 DU7/N7ET >PL36 50.110 S JR6QWW 03191350 DU ch2 55.25 V JE2DWE	01080214 PY2SFY/B SO wk (mil @ 0134) B HP3XUG
03221313 T881Y >OL72 50.110 S VR2CC	03241247 DU7/N7ET 50.110 H JA1VOK 03251343 DU7/N7ET 50.110 S JA6TEW	01142115 PY2SFY 52 Es 50.010 B LW5EJU
Hawaiian Is.	03251355 DU7/N7ET > OL72 50.110 S VR2IL 03251400 DU7/N7ET > PL36 50.110 S JR6VSP	01142155 PY3MF 59 MOACID Bs 50.120 LW5EJU
02280810 KHON 2 HI Honolulu >1030 V EKIAA 03040920 KHON 2 HI -0956 55.260 V EKIAA	03251200 P29KFS > OL72 50.110 S VRZMT 03251218 P29KFS > PL36 50.115 S JR6VSP  PHILLIPINES 03091210 DU Ch2 S9+ 03091217 DU7/N7ET 50.110 S JA5CMO 03091217 DU7/N7ET 50.110 S JA5CMO 03091230 DU7/B7ET 50.110 S JA5CMO 03191335 DU Ch2 55.25 V JZDWZ 03241247 DU7/N7ET 50.110 S JA6TEW 03251343 DU7/N7ET 50.110 S JA6TEW 03251345 DU7/N7ET > OL72 50.110 S JA6TEW 03251345 DU7/N7ET > PL36 50.110 S JR6VSP  SABAH 02200910 9M6 ch2 48.240 V JA5CMO 02200910 9M6 ch2 48.240 V JA5CMO 02200920 9M6 ch2 48.240 V JA5CMO 02200920 9M6 ch2 48.240 V JA5CMO 0310726 9M6AB 50.110 S JR6VSP  SABAH 0310616 9M6AB 50.110 S JR6VSP 03110726 9M6AB 50.110 S JR6VSP 03110726 9M6AB 50.110 S JR6VSP 03110726 9M6AB 50.110 S JR6VSP 03140640 9M6AB 50.103 C JA1VOK 03140640 9M6AB 50.103 C JA1VOK 03140641 9M6AB 50.103 C JA1VOK 03140642 9M6AB 50.110 S JA9SSB 03140643 9M6BA 50.110 S JA9SSB 03140641 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140643 9M6BA 50.110 S JA9SSB 03140643 9M6BA 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140643 9M6BA 50.110 S JA9SSB 03140641 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140641 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140641 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140642 9M6AB 50.110 S JA9SSB 03140641 9M6BB 50.010 LWSEJU 01161751 LUVK 59 FRABCISCES 50.110 LWSEJU 01161752 LU3VYZ 59+GUSTAVO ES 51.500 F LWSEJU 01161800 LUSYYO 53 DABTEL TR 50.110 LWSEJU 01161800 LUSYYO 53 DABTEL TR 50.110 LWSEJU 01161900 LUSYYO 53 DABTEL TR 50.110 LWSEJU 0116	01151954 PY2MEM 57 MARCOS ES 50.120 LW5EJU
03051030 KHON 2 HI -1243 CD 55.260 V ZKIAA	02200910 9M6 ch2 48.240 V JA5CMO	01161559 P12DNR 55 MAORO ES 50.110 LW5EJU
03061036 KHON 2 HI WK -1136 55.260 V EKIAA	02230920 9M6 ch2 48.240 V JAIVOK	01170020 PY2DP 55 JOSE ES 50.110 LW5EJU
03090820 KHON 2 HI -1537 X CD V SKIAA	03110726 9M6AG 50.110 S JH6VXP	01170035 PISCC 39 PITER BB 30.103 LW3830 01171835 PY2DNR 59 SSTV MAURE 50.650 LW58JU
03190850 KHON 2 HI WK -1045 55.260 V SKIAA	03140603 9M6NA 50.103 H JE2DWS 03140616 9M6NA 50.103 C JA1VOK	011/2130 P12AB 52 PRED EB 50.110 LW5EJU
03210710 KHOM 2 HI -1120 55.260 V SKIAA	03140640 9M6NA >PM86 50.103 C JA9SSB	01272054 PY2EYE 59 NILSON Es 50.110 LW5EJU
03220925 KHBC 2 HI Hilo 55.250 V SKIAA	03140642 9M6AG 50.110 S JA9SSB 03140642 9M6AG 50.110 S JA1VOK	02031914 PY2WBC 59 ANDERSONES 50.110 LWSEJU
03220925 KITV 4 HI Honolulu 67.240 V SKIAA	03220500 9M6 ch2 89+ 53.74 F JAIVOK	02040043 PY2AA/B S0/1, S1 0128 B HP3XUG
03220925 KH6HMB HI B ZKIAA	Panarta of C America	020400316 PY2AA/B SO wk B HP3XUG
03230800 KH6HMB HI B 3D2CM	Reports of S. America	02050237 PY2AA/B S0/1 B HP3XUG
03250835 KHON 2 HI WK -0905 55.260 V ZKIAA	ARGENTINA	02050237 PY2SPY/8 S0 WK B HP3XUQ 02060125 PY2AA/B S0 B HP3XUG
03280300 KHOM? 2 HI STRONG -0500 V ZKIAA	01161751 LUIVK 59 FRANCISCES 50.110 LW5EJU 01161758 LU3YA 53 HECTOR ES 50.110 LW5EJU	02050125 PY2SFY/8 S0 WX B HP3XUG 02070027 PY2AA/8 S0 -0253 B HP3XUG
INDONESIA	01161802 LU3YYZ 59+GUSTAVO Es 51.500 F LW5EJU 01161900 LUSYYO 53 Es 50.033 B LW5EJU	02070027 PY2SFY/8 SO -0233 B HP3XUG 02070107 PP1C% GG99uq 3W 81 50.0798 B HP3XUG
03110914 YB0ZZ 50.042 B JH6VXP 03201521 YCOUVO 50.110 S JR6VSP	01161906 LU5JAU 55 DABIEL TR 50.110 LW5EJU 01172218 LU1VK 53 FRANCISCES 50.110 LW5EJU	02070107 PY1AA/B S0 -0233 VY WK B HP3XUG 02080225 PY2AA/B S0 - 02538 B HP3XUG
03211457 YC0UVO 50.110 S JA6QGG 03231235 YC0UVO 50.110 S ZT6CCU	01181550 LU9AEA/X 51 JORGE Es 50.110 LW5EJU 01182253 LU9AEA/X 57 JORGE Es 50.110 LW5EJU	02090017 PY2AA/B S0 VY WK -0049 B HP3XUG 02090017 PY2SFY/B S0 -0049 B HP3XUG
03241420 YCOHDI > PL36 50.100 S JR6VSP 03241421 YCOHDI > PL36 50.100 S JR6HT	02040128 LU9EHF/B S1/2 B HP3XUG 02050237 LU9EHF/B S0 B HP3XUG	02130047 PY2AA/B S1/2 -0151 B HP3XUG 02130047 PY2SFY/B S0/1 B HP3XUG
03241423 YB0FEX > PL36 50.100 S JR6VSP 03241427 YB0FEX > PL36 50.100 S JR6VSP	02070107 LU9EHF/B 83/5 B HP3XUG 02090156 LU9EHF/B 80 -0239 B HP3XUG	02160210 PY2AA/B S0/1 B HP3XUG 02160210 PY2SFY/B S0 B HP3XUG

02200026	PY2AA/B S3/4	8	HP3XUG
02200026	PY2SFY/B SO		HP3XUG
	PY1AA/B S1/2	B	
02200101	PY2AA/B S3/4 -0213	B	HP3XUG
02200101	PY2SFY/B S1/2 -0213	В	HP3XUG
02200101	PY5CC 85/6 >0213 50.110	S	HP3XUG
02210100	PY1AA/B 80/1 -0140	B	HP3XUG
02210100	PY2SFY/B 80/1 -0152	B	HP3XUG
		B	HP3XUG
02210140	PY2AA/B S2/3 -0152 PY2AA/B S2/3	B	HP3XUG
02220141	PYZAA/B 84/3	B	HP3XUG
02220141	PY2SFY/B SO	-	
02230028	PY1AA/B S0/1 -0204	B	HP3XUG
02230028	PY2AA/B S2/3 -0204	B	HP3XUG
	PY2SFY/B S0/1 -0204	B	HP3XUG
02230130	PP2ROM 57 Es50.0745	B	LWSEJU
02230241	PY2DP 57/59 GG66RF 50.105	S	HP3XUG
02240238	PYIAA/B SO VY WK	B	HP3XUG
02240238	PY2AA/B \$1/2	В	HP3XUG
02240238	PY2SFY/B SO/1	B	HP3XUG
02260045	PY2AA/B 82/3	B	HP3XUG
02260045	PY2SFY/B SO/1	B	HP3XUG
02282347	PY2AA/B SO	B	HP3XUG
02282347	PY2SFY/B SO	B	HP3XUG
03010052	PY1AA/B SO	B	HP3XUG
03010052	PY2AA/B SO/1	В	HP3XUG
03010052	PY2SFY/B SO	B	HP3XUG
03012350	PY -0014 TE	W	WP40
030222004		W	CT4KQ
03022200		W	WP40
	PY5CC 50.110		
03067777	PY5CC 59	W	WP40
03060001	PY TE	P	WP40
03060249	PY2AA/B S1/2	B	HP3XUG
	PY2SFY/B SO/1	B	HP3XUG
03070324	PY2AA/B SO	B	HP3XUG
03072350	PY1AA/B S0/1 -(08)0027 PY2AA/B S2/3 -(08)0400	В	HP3XUG
03072350	PY2AA/B S2/3 -(08)0400	B	HP3XUG
03072350	PYISYY/B S0/1 -(08)0027	B	HP3KUG
03090000	PY1AA/B SO VY WK	B	HP3XUG
03090000	PY2SFY/B S0 vy wk unkeyed?	В	HP3XUG
	PY2AA/B SO	B	HP3XUG
03090230	PY2SFY/B SO vy wk unkeyed?	B	HP3XUG
03092306		H	BH7KW
03101920	PY1AA 549 > IM67XI 50.052 PY2AA 579 > IM67XI 50.060	B	BH7KW
03101920	PY2AA 579 > IM67XI 50.060	B	BH7KW
03101946	PY2SFY 549 GG77GA 50.010	В	BH7KW
03102238	PY5CC 559 > IN60BP 50.110	W	CT4KQ
03120031	PY2AA/B S1/2	B	HP3XUG
03120047	PU3WPA 55/55 GF49 50.105	S	HP3XUG
03120050	PY5CC 59/59 GG54 50.105	8	HP3XUG
03120058	PY3OR 54/56 55 GG40 50.105	S	HP3XUG
03120124		S	HP3XUG
	PP1CE/B S1/2	B	HP3XUG
	PY2AA/B SO/1	B	HP3XUG
		S	EH7AH
		B	HP3XUG
		C	HP3XUG
	PP1CE/B SO/1	B	HP3XUG
	PY3OR S2/3 50.120	S	HP3XUG
	PY3OR 53/53 Canoas 50.120	S	HP3XUG
		8	HP3XUG
03182311	PY1AA/B SO/1	B	HP3XUG
03182314		S	HP3XUG
03182350			W1LP/MM
			W1LP/MM
	PY1AA/B SO/1	B	HP3XUG
	PY2AA/B SO wk	B	HP3XUG
	PU1KDR 53/59 GG87IC 50.111	S	HP3XUG
		8	JR6VSP
03222144		S	HP3XUG
03230003	PY1AA/B S1/3 -0204	B	HP3XUG
03230003	PY2AA/B S4/8 -0322	B	HP3XUG
03230003	PY2XB 599 CQing 50.103	H	HP3XUG
03230035	PP1CZ/B S4/7 -0204	B	HP3XUG
03230035	PY2VA SSB S3/5 CQing 50.110	H	HP3XUG
03230035	PY5JD 89	H	HP3XUG
03230058	PP5JD 58/59 GG52 50.105	S	HP3XUG
03230105	PY3PT 57/58 Canoas 50.105	S	HP3XUG
03230106	PP2ROM 53-9/55 Ron 50.105	S	HP3XUG
03230110	PYISL 56/57 GG87 50.105	8	HP3XUG
03230114	PY2DP 59/59 GG66 50.105	8	HP3XUG
03230119	PY2IAX 42/57 GG68 50.105	S	HP3MUC
03230125	PY2SSB 55/55 GG57 50.105	8	HP3XUG
03230128	PY2PA 54/59 GG66 50.105	8	HP3XUG
03230151	PY2EAT 53/53 Sao Paulo .105	S	HP3XUG
03230204	PY5CC CQing 87/8 50.110	H	HP3XUG
03230247	PY2AA 50.059	В	7J6CCU
03230252	PY2WBS 50.110	8	7J6CCU
03230232	PY2PA 50.110	8	7J6CCU
03230329	PY1AA/B 51/3	B	HP3XUG
03240027	PPICE 569/559 Leo 50.1104	C	HP3XUG
03240031		H	HP3XUG
03270040	PP1CZ CW CQing 579 50.110 PP4ML? 83/4 fltr 50.110	H	HP3XUG
53270040	111121 03/4 1105 30.110	es.	"E 2 V OG

# CHILE 03102300 CB Blevator Music S9 47.90 B5JHV 03162350+CE4CLM 57 PATRICO > FK68 W WP40 03192350+CB 52 < 0015 > FK68 W WP40 03192350+CB 52 < 0015 > FK68 W WP40 03192145 CB - (20)0230 > EK35, EK25 W WILP/MM 03230052 CB3BF2 54/55 54/55 50.105 S HP3XUG 032302015+CE Elevator Music S7 47.90 F N5JHV

ECUADOR 03292100-HC2FG

W W6JKV/5

PARAGUAY
03230131 8P6CW 53/55 GG14 50.105 8 HP3XUG

URUG	UAY			
02050131	CX2AM 429/559 Gus	50.1108	C	HP3XUG
02050220	CX5CR 52/57 GF15VD	50.105	S	HP3XUG
02090239	CX1CCC/B SO		B	HP3XUG
02160210	CX1CCC/B SO/1		B	HP3XUG
02200213	CX1CCC/B SO/1		B	HP3XUG
02210152	CX1CCC/B SO/1		B	HP3XUG

02220141	CX1CCC/B SO Wk	В	HP3XUG
02230204	CX1CCC/B S1/2		HP3XUG
02230211	CX3AN 579/599 GF15 50.111		
			HP3XUG
	CX1CCC/B S1/2	B	HP3XUG
03032250			WP40
03032251			WP40
03032308			WP40
03032310			WP40
03032315			WP40
03052210		W	WP40
03052216		w	WP40
03060001			WP40
	CX1CCC/B SO/1	В	HP3XUG
	CX1CCC/B SO/1	В	HP3XUG
	CX7BBR/M > FK68	W	WP40
03082135		W	WP40
03082143			WP40
	CX4ACH, CX9DK, CX9AF		WP40
03112018		S	WP40
03112018			
	CX1CCC/B S3/4		HP3XUG
	CX1AO 54/57 59 GF15 50.105		
03132150			WILP/M
03142330			WILP/M
03152038			WP40
03162045			WP40
03182138		H	
	CX3HI 42/59 Hector 50.105		
	CX9DK 53/59 Fermin 50.105	8	HP3XUG
	CX8BR 53/55 55 Alex 50.105	8	HP3XUG
	CX4ACH 53/55 San 50.105	8	HP3XUG
03182350			WILP/M
03192145			
	CX1CCC/B S1/2	В	HP3XUG
03202250			WILP/M
03222124		E	HESKUS
	CX40L 53/55 GF15 Yul 50.110		HP3XUG
	CX8BE 57/57 GF15 Geo 50.135	S	HP3XUG
	CX1CCC/B S1/3 -0322		HP3XUG
	CX7BBR 55/55 GF15 50.105		HP3XUG
	CX2CC 54/55 GF15 50.105		HP3XUG
	CX BURST 50.110		N5JHV
	CX1CCC/B S2/3 -0404		HP3XUG
	CX1CCC/B SO/1		HP3XUG
	CX1CCC/B SO		HP3XUG
	CX1CCC/B S3/4 -0213	В	
03272200-			WP40
		-	

VENE	ZUELA				
01010008	YV4AB/B SO			В	HP3XUG
02180015	YV4AB 59	TE	50.025	B	LWSEJU
02200040	YV4DDK 59 ANTONIO	TE	50.110		LW5EJU
02230130	YV4AB 57	TE	50.025	B	LW5EJU
02240007	YV4AB 53	TE	50.025	B	LW5EJU
02240030	YV4DDK 59 ANTONIO	TE	50.110		LW5EJU
02250006	YV4AB 59	TE	50.025	В	LW5EJU
12311937	YV4AB/B S1/5			B	HP3XUG
12312354	YV4AB/B 80/1			В	HP3XUG

### **Beacon News**

Norway: LA5TFA posted "The LA7SIX beacon has been out of order for a while. It is now working from my site, as a temporary solution. Frequency 50.051, 20W, 4 el Yagi pointed 180". Reports to birger@tr.telia.no or la5tfa@online.no.

### **QSL** Information

K6LLQ: Ron Herrold, PO Box 21608, Concord, CA 94521.

OKDX Foundation: P.O. Box 73 Bradlec, 293 06 Mlada Boleslav, Czech Republic. (A35KT,5W0SZ,3D2KT, etc.)

### **DX Operations**

K6LLQ: "I'm going on a 28-day cruise on a German tramp steamer, starting May 2 from New Orleans to Colombia, Panama Canal, and then Ecuador and return. I will monitor 50.125 using a M<sup>2</sup> square at 50 feet. Taking a GPS for accurate grid squares. Will also operate ten meters, but six meters is my main operation."

W1LP: "I'll be leaving Lake Charles, LA for the Panama Canal on or about the 8th of March and hitting Panama Canal 14/15 March; Los Angeles area, 23-27 March; San Francisco area, 29-30 March; Portland, OR, 2-3 April; Seattle, WA area 5-6 April; San Francisco area 9-12 April; Los Angeles area 13-14 April; Panama Canal 22/23 April; and Pascagoula, MS, 27 April.

V63AO: JA1VOK passes along the following: "I spoke with V63AO, Isao on 10m on March 28 during the CQ WW Test. He told me that he is now back on 6m in Kosrae Is. (RJ15) with an IC-575 & 4 el HB9CY-type beam, and is monitoring 6m. He was previously active in Ponape Is.

Namibia: Thomas Friedrich, who was extremely active on 6m a few years ago as ZS3AT from JG87MK, and who returned to Germany using the callsign DF2JQ. . is back again in Namibia as V51AT. Tnx G4UPS.

St. Brandon: 3B7 belonging to the Republic of Mauritius (3B8), situated about 400 km to the north of the latter (17°S 58°E) will be activated by several stations of the Union of Swiss Shortwave Amateurs) 24 hr/day between May 5 and May 17. 6m/2m in addition to HF.

#### **Alliance Rotators**

Alliance is out of the rotor business, but Norm Jeweler, W3NRS (ex-K3LYW) of Norm's Rotor Service has bought all the remaining Alliance rotors and parts. Point your browser to http://www.tiac.net/users/shiacawn/rotors/index.htm.

# **WSWSS CW VHF Sprint**

Announcing the 1998 Western States Weak Signal Society CW VHF Sprint. The 1998 WSWSS CW VHF Sprint has been moved to Saturday, May 23rd from 22:00Z to 03:00Z Sunday May 24th. This is a CW-only event lasting five hours utilizing the CW subbands of 50 and 144 MHz. Suggested operating frequencies are between .080 and .100 on each band. Each contact is worth 1 point with unique grids worked per band as multipliers. The final score is your total points times the total multipliers from both bands. Rovers are encouraged and will be judged under the original ARRL Rover rules. Certificates will be awarded to top scores in each of 10 call areas.

All contest entries are to be sent to Tim Marek, K7XC, WSWSS Vice President, Contest Chairman, 360 Prestige Ct., Reno, NV 89506 and must be received no later than 30 days after the event.

# March 1998 6m Beacon List

The following was culled from G3USF's March 16, 1998 Worldwide List of 50 MHz Beacons. Stations that were not reported to this bulletin since July 1997 or that are thought to be on the air presently less than 50% of the time have been dropped. Some frequencies have been changed and truncated.

	Freq	Call	Town	Loc	Pwr	Antenna
	50000	GB3BUX	Buxton	I093BF	20	Turnstile
	50000	VEISMU	Nr Halifax NS	FN84		11-el Yagi
	50001	BV2FG 7Q7SIX	Nr Taihoku	PL05RA KF75	3 5	5/8 vert
	50003	PJ2SIX	Nr Willemstad	FK52KG	30	
	50005	ZS2SIX	Port Elizabeth	KF25	25	Dipole
	50008	HIOVHF		FK58		
	50008	KOGUV	Park Rapids MN	EN26	8	
	50008	VE8SIX	Inuvik NWT	CP38		double bay
	50008	XE2HWB	La Paz Baja Cal.	DL44		6-el
1	50009	PY2SFY JA2IGY	Pindamonhangaba Mie	GG77GA PM84JK		5/8 GP 5/8 GP
-	50010	CUSURA	Terceira	HM68	5	
	50013	JD1ADP	Ogasawara Chichi			Dipole
•	50015	LU9EHF	Lincoln City	FF95	15	Inv. Vee
	50015	S55ZRS		JN76HD	8	1/4 GP
•	50016	JA6YBR	Miyazaki	PM51RT		Turnstile
	50018	V51VHF CX1CCC	Windhoek Montevideo	JG87 GF15		5/8 Vert GP
	50019	VE8WD	NWT	DP88	20	Gr
	50021	OZ7IGY	Toelloese	J055V0	30	Turnstile
	50022	XE1KK	Villa Alpina	EK09LK	20	AR6
1	50022	YU6SIX		JN92JJ		
	50024	SR5SIX	Wesola Nr Warsaw		40	1/4 GP
	50025	OHISIX YV4AB	Ikaalinen Valensia	KP11QU FK50	15	4 T'stiles Ringo
1	50027	JA7ZMA	Fukushima	QM07	50	2 T'stiles
•	50027	SR6SIX	Wolow	J081HH	7	GP
	50028	SR8SIX	Sanok	KN19CN		
	50028	XE2UZL	San Quintin	DM10	25	2 Sq Loops
	50030	CS1ACP	Tavarade	IN50NE	40	Dinala
	50030	ZD8VHF	Joao da Pesq. Ascension I.	IN61GE II22TB	40	Dipole Dipole
ŀ	50032	JROYEE	Niigata	PM97	2	Loop
	50033	TRAAAO	Neuquen			
	50036	JR6YAG	Okinawa	PL36		Turnstile
	50037	ESOSIX	Nr Haapsalu	KO18PG		Horiz Dip.
	50037	VE4VHF	Headingly MB St Pierre & Mig.	EN19 GN16		Vertical Horiz V
	50038	FP5XAB SV1SIX	Nr Athens	KM17UX		Vert Dip
	50040	VE6EMU	Camrose	DO33	35	4-el Yagi
	50040	VO1ZA	St Johns	GN37	10	1/4 Vert
	50040	ZL3SIX	Christ Church	RE66		
	50042	GB3MCB	St Austell	10700J	40	Dipole
	50042	YB0ZZ VE6ARC	Jakarta Grand Prairie	OI33	15 25	GP
	50044	ZS6TWB	Pietersburg	KG46RD	30	6-el Yagi
	50045	OX3VHF	Julianehaab	GP60XR	20	GP
	50047	4N1SIX	Nr Belgrade	KN0400		Vee
	50047	JW7SIX	Longyearben	JQ78TF		4-el Yagi
	50047	VK8RAS VE8BY	Alice Springs Iqaluit NT	PG66 FP53RS		X-Dipoles Vert Dip
	50049	VA3BCN	West of Toronto	FN03	30	AGIC DID
		GB3NHQ	Potters Bar	I091VQ	15	X-Dipoles
		ZS6DN	Nr Pretoria			5-el Yagi
		LA7SIX	Tromso	JP99LO	20	4-el Yagi
		PY1AA	Rio de Janeiro	OFFORM	12	0 01 927-
		VK3SIX OZ6VHF	5k N Hamilton Oestervraa	QF02WH JO57EI		9-el @37m Turnstile
		EH3CUU	Nr Ripoll	JN12FE		Horiz Dip
	50055		St Kitts/Nevis	FK87QH		5/8 Vert
		J3EOC		FK92		Halo
		VK7RAE	Lonah	QE38		X-Dipoles
	50057	VK8VF	Darwin	PH57		DeltaLoop
		VK4RGG PY2AA	Nerang Nr Sao Paulo SP	QG62 GG66	10	GP@60ft
		VE3UBL	Brougham	FN03	10	Turnstile
		GB3RMK	Nr Inverness	107700	40	Dipole
		W5VAS	Lk PonchartrainL		110	Squalo
		KE7NS	Nr Ogden UT	DN31	20	squalo
0	50061	W1VHF	Pahoa HI W.Greenwich RI	BK29 FN41	25	Dipole #80'
		WB0RMO	Fairbury NE	EN10		Squalo
		C6AFP	Abaco	FL16		5/8 Tingo
		W7HAH	Marion MT	DN28NB		Halos
	50065	GB3IOJ	Jersey	IN89WE	10	Vee

		KD4AOZ	Watkinsville GA	EM83		
		KH6HI	Haleiwa	BL01		Halo
		WOIJR	Aurora CO	DM79	20	2-ring hal
		KA0CDN		44		ared
		WOMTK	Fruita CO	DM59	4	4 Vees
		VE9MS	Fredericton NB	FN65	55	Loops
		W50ZI	Nr Junction TX	DM90XH	30	Dipole
		WA10JB	Bowdoinham ME	FN54	10	2-el Coll.
		N8PUM	Felch MI	EN65BX	1	
		OH9SIX	Pirttikoski	KP360I	35	
	50067		Coraopolis PA	EN90		Horiz Loop
	50067		Mt Lemmon AZ	DM42PJ	50	
	50068	K2ZB	Union City NJ	FN20	20	5/8 or hal
	50068	KA4YMY	Charlotte NC	FM06		
	50068	WZ8D	Nr Dayton OH	EM79UG	10	6-el
	50069	K6FV_	Woodside CA	CM87UL		varies
	50069	WIRA	Cape Cod MA	FN41	15	Vert.F Dip
	50069	W2RTB	Rochester NY	FN12HW		halo
	50069	WG8T	Fairmont WV	EM99	1	Dipole
	50070	K3DEL	S. Delaware	FM28		
	50070	N4SW	Nr LaFollette TN	EM76VJ	1	Horiz Dip
	50070	SK3SIX	Edsbyn	JP71XF		X-Dipoles
		W7WKR	Seattle WA	CN87		1
	50071	KOETC		EM27	10	Indoor Dip
		WB9STR	Bradley IL	EN61BD		GP
		ES6SIX	Nr Voru	KO37MT		GP
	50073		Slide Mntn NV	DM09CN	1	
		PP2RON	(no 98 callbook			
		VR2SIX	Hong Kong	OL72	10	GP
		W6SKC/7		DM41ML	20	Halo
		KL7GLK	Bay Ridge MD	FM18		Turnstile
	50076		Smith Center KS	EM09OW		2 haloes
		KC4XX	Orlando FL	EL98		Vertical
		VK4BRG	Sarina	QG48		Turnstile
		KE4SIX	Augusta GA	EM83		Ringo
		OD5SIX		KM74	8	
		PT7BCN	Fortaleza CE			-,
		TIZNA	San Jose	EJ79	20	Dipole
		JX7DFA	Jan Mayen	10500V		5-el
		PPICZ	Vitoria I ES	GG99UQ		5-el
		W3CCX	Philadelphia PA	FM29JW		halo@500'
		W4CHA	Tampa FL	EL88		Dipole
		LU8DCH	Beccar, BA	GF05		DIPOLO
		LU8MBL	Guaymallen, MZA	GF05		
		YULSIX	Nr Usce	KN03KN	15	Dipole
			(no 98 callbook			
`		FX4SIX	Neuville	JN06CQ	25	Turnstile
		JH0ZND	(no 98 callbook			
		5B4CY	Zyyi	KM64PT	20	GP
		ZS6PVW	(Packet)	KG44BG		- 4
		VK4ABP	Longreach	QG26	10	1/4 Vert.
		VK2RSY	Dural	QF56		Turnstile
		VK4RIK	Mt Haren	QH23		Dipole
	32 113	********		2		-15010
	Т	he follow	ing stations were dr	anned from	m C	RIICE's list.

The following stations were dropped from G3USF's list: PE1CAJ, 4N0SIX, HV3SJ, EA7AH, SV9SIX, GB3SIX, FR5SIX, ZS6PW, LX0SIX, ZP5AA, 9H1SIX, ZB2VHF, FY7THF, LU7DYI, YO2S, TR0A, FO5DR, LU3DDF, PI7SIX, Z21SIX, VE1PZ, XE3RCM, CN8LI, ZS6DN, W7AMA, TF3SIX, JH0ZPI, K4TQR, KA0NNO/5, K8UK, GB3NGI, W3VD, LW5EGP, AB5L, W7GX, VK6RPH, KA5FYI, KQ4E, N7DB, K2SPO, W9NFL, EA3VHF, K2ZB, K0HTF, WB5LUA, W5SXD, W4IO, WA4NJF, WB4WTC, N5EAD, N7STU, KD4HLG, VR2SIX, K7IHZ, NL7XM/2, KD4HLG, W8UR, CO2FRC, G6YIN, LZ1SIX, PE1OUC, VE2TWO, PT5XX, 3C5I, 9G1AA, IS0SIX, IS0S, VK3RMV, VK6RBU, ZS8\_, JH8ZND, JH9YHP, JG1ZGW, SZ2DF, ZL2MHB, VK2RHV, VK5VF.

If any of our readers knows of any of the above stations that meets our listing criteria (on the air > half the time), or any of the stations listed previously who do **not**, please advise us with the particulars. Additions/corrections to **this list** should be made to this bulletin and/of frank@horizon.sri.com.

The source list was compiled by Martin Harrison G3USF for the Propagation Studies Committee of the Radio Society of Great Britain. Corrections and updates to that list may be made by by e-mail to poa01@keele.ac.uk or to M. Harrison, 1 Church Fields, Keele, Staffs. ST5 5HP, UK.







# Photo-Ops

Hatsuo, JA1VOK, sent us some photos from England, where he attended the Annual General Meeting of the UK Six Meter Group on February 22 1998. The photo printed above is from a six meter ham get-together at Bear Pub beer party at Sandown Park. Left to right are: Bob, W6BYA; Geoff, GJ4ICD; Hatsuo, JA1VOK; and Chris, GM3WOJ.

Danny Oglethorpe sent us some color photos of channel 2 TV DX which he had logged from his QTH in Shreveport, LA. The first is a photo of YSR-2 in El Salvador, which he received January 20, 1998. Below it is a photo of a new ID and promo seen on XHFM-2, Veracruz, VER Mexico, which he received January 15, 1998. (All of these were by Sporadic-E propagation.)

The 50 MHz DX Bulletin is on the lookout for photos of 6m stations, antennas, groups. Do you have some you'd like to see published? Send 'em along (before the summer Es season swamps us)!